

Universal Line free standing

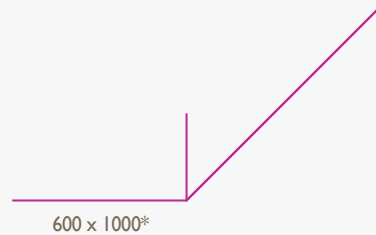
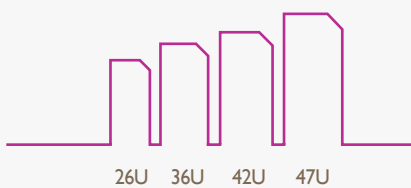
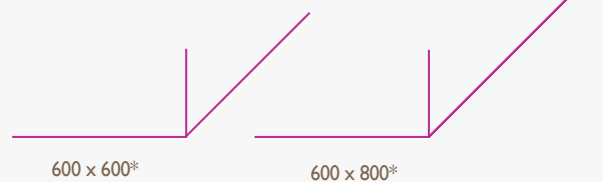


- Provides unique features for system designers, installers and network managers.
- Suitable for office, equipment room and cabling closet installations
- Exceptionally sturdy and strong
- Highly cost-effective and assembly-friendly solutions for numerous applications
- Multiple cable entry points provide maximum versatility
- Delivered as assembled and side by side mounting is possible

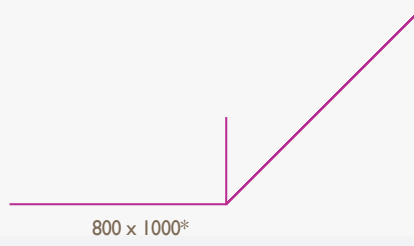
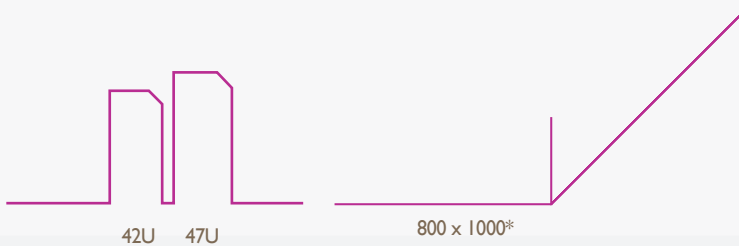
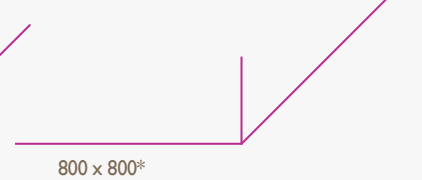
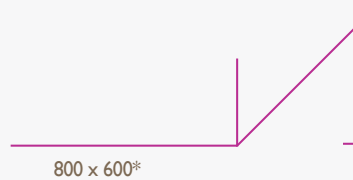
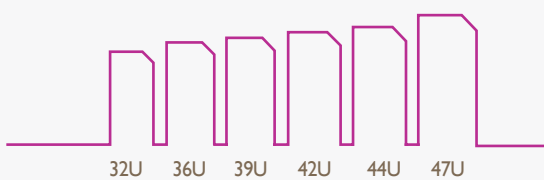


600x600 - 600x800 - 600x1000 - 800x600 - 800x800 - 800x1000

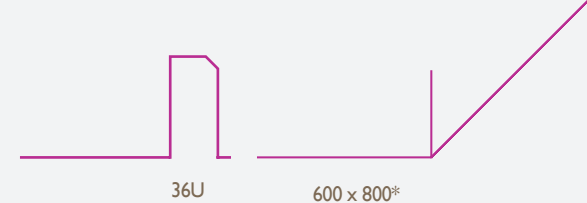
Universal Line free standing enclosures



Universal Line JUMBO free standing enclosures



Universal Line PCcase



“Highly cost-effective and assembly-friendly solutions for numerous applications”

* Please check drawing pages for cabinet sizes.



STANDARD DIMENSIONS:

Heights: 16U, 20U, 22U, 26U 32U, 36U, 39U, 42U, 44U, 47U

Width: 600 mm

Depth: 600 mm - 780 mm

Heights: 26U, 36U, 42U, 47U

Width: 600 mm

Depth: 1000 mm

LOAD CARRYING CAPACITY: 600 kg

COLOUR:

RAL 9005 black



RAL 7035 light grey



STANDARDS:

ISO 9001: 2008 Quality Management System

ISO 14001: 2004 Environmental Management System

19" mounting to IEC 297-1

EN 61587-1 mechanical structures (cabinets for electronic equipment)

Overall cabinet dimensions for IEC 297-2

KEY FEATURES

- The Universal Line free standing cabinets are suitable for office, equipment room, housing server and cabling closet installations. Attention to style with attractive colours black RAL 9005 and light grey RAL 7035 and smoked glass door reinforced with vertical left and right metal frames means that cabinets can be deployed in the most demanding of office environments where appearance counts.
- However, Universal Line are an exceptionally sturdy and strong cabinet enabling usage for all applications.
- Front door frames are available with orange decorative stripe.
- The Universal Line offers a highly cost-effective and assembly-friendly solution for numerous applications in the field of network technology and electronics. The Universal Line is highly configurable to the end users requirements and provides unique features to benefit system designers, installers and network managers.
- Standard cabinet is completely assembled and delivered as a single enclosure.
- Side by side mounting is also possible when side panels are not used; baying kits to be added.
- The rigid welded frame construction can be disassembled and assembled easily without any special tools. Thus narrow doors, staircases and elevators are no problem.





Universal Line free standing enclosures offer a wide range of options.



EASY TO ACCESS

Front door

Features a full-length smoked and shatterproof glass door with decorative accent stripe reinforced with left/right metal frames and integral locking mechanism.

Side doors

Lockable, removable, complete with slam latches and barrel type locks.

Rear door

Lockable, removable lock.

Secure, locking front and back doors with spring loaded hinges offer best accessibility even when connecting the cabinets. The door hinge is easily swapped from one side to the other to change the direction the door opens.

Giving you 4-way access to equipment. Front and rear door can be replaced giving you flexibility for different installations.

CABLE ACCESS

Multiple cable entry points provide maximum versatility. There is a rubber edge sliding cover mechanism that protects and fix the cables. There is a brush on the rear panel that can be positioned on top or bottom (brush entry available on height of 26 U and above)

CONSTRUCTION

Rigid welded frame construction in steel sheet, rapidly disassembled with 4 screws per corner. Corners of base has welded sockets that tightly fixed into the columns give maximum stability.

Frames are made with a 24-fold design for increased stability.

Vented Pagoda style top cover with built-in space for available top mount ventilation fan system providing protection against dust flow from the top, additionally this causes a chimney effect to provide passive air flow via convection.

19" mounting angles (front/2ea and back/2ea) allow for flexible configuration and are adjustable in depth.

C rails 3 fold 1,5 mm thickness to increase the stability of equipment .

Levelling feet included as a standard feature.





STEPS TO SELECT THE RIGHT FREE STANDING ENCLOSURE

In addition to Estap product part numbers, the options mentioned on the next page are to supply the right definition to meet your requirements.

Each wall mounted and free standing enclosure section in the catalogue, has a "Main part number structure" and "Options" sections.

The below example explains how to select the right options for your needs.

The product part number has the below structure:

Product range name + U height (HHU) + Width&Depth (WD)

The product options have the below structure:

Colour option (MX) + Front door option (FX) + Rear door option (RX)

HOW TO SELECT THE OPTIONS

Step 1

Please choose product part number.

For example: **CKR42U66**

Step 2

Please choose the colour from the table and place it after the part number.

For example: **CKR42U66 - M02** (MX=Look at the MX colour options on the next page)

Step 3

Please choose the front door from the table and place it after **MX** colour.

For example: **CKR42U66 - M02 - F01** (FX= Look at the FX front door options on the next page)

Step 4

Please choose the rear door from the table and place it after **FX** front door option.

For example: **CKR42U66 - M02 - F01 - R02** (RX= Look at the RX rear door options on the next page)

MAIN PART NUMBER STRUCTURE

CKR - HHU - WD

Product range Universal Line		U height		Width & Depth
CKR	+	HHU	+	WD
CKR		16U		66
		20U		
		22U		
		26U		
		32U		
		36U	68	
		39U		
		42U		
	44U			
	47U			

CKR : Universal Line free standing product range

HHU : "U" height

WD : Width and depth

OPTIONS

MX - FX - RX**

Colour options	Front door options	Rear door options
MX	FX	RX
M01	F01 *	R01
M02	F02	R02
	F03	
	F04	

MX : Colour options

M01= RAL 9005 black

M02= RAL 7035 light grey

FX : Front door options

F01*= Single opening shatter proof glass door with left and right metal frame slotted, single point handled locking

F02= Single opening shatter proof glass door with complete metal frame slotted, single point handled locking

F03= Single opening solid metal door; single point handled locking

F04= Single opening %63 perforated door with complete metal frame slotted, single point handled locking

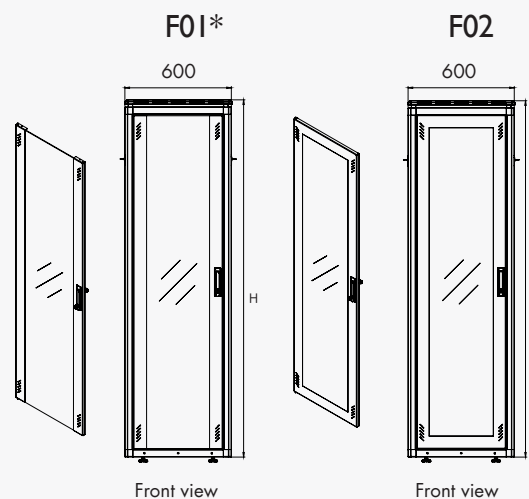
RX** : Rear door options

R01= Single opening solid metal rear door with barrel type single point lock unit for 22U and below

R02= Single opening solid metal rear door with barrel type single point lock unit with brushed cable entry, for 26U and above

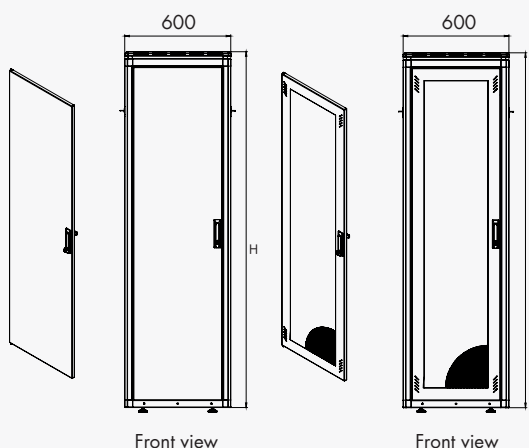
FX

Front door options



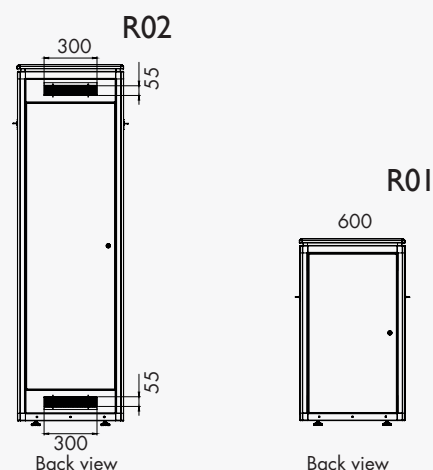
F03

F04



RX**

Rear door options

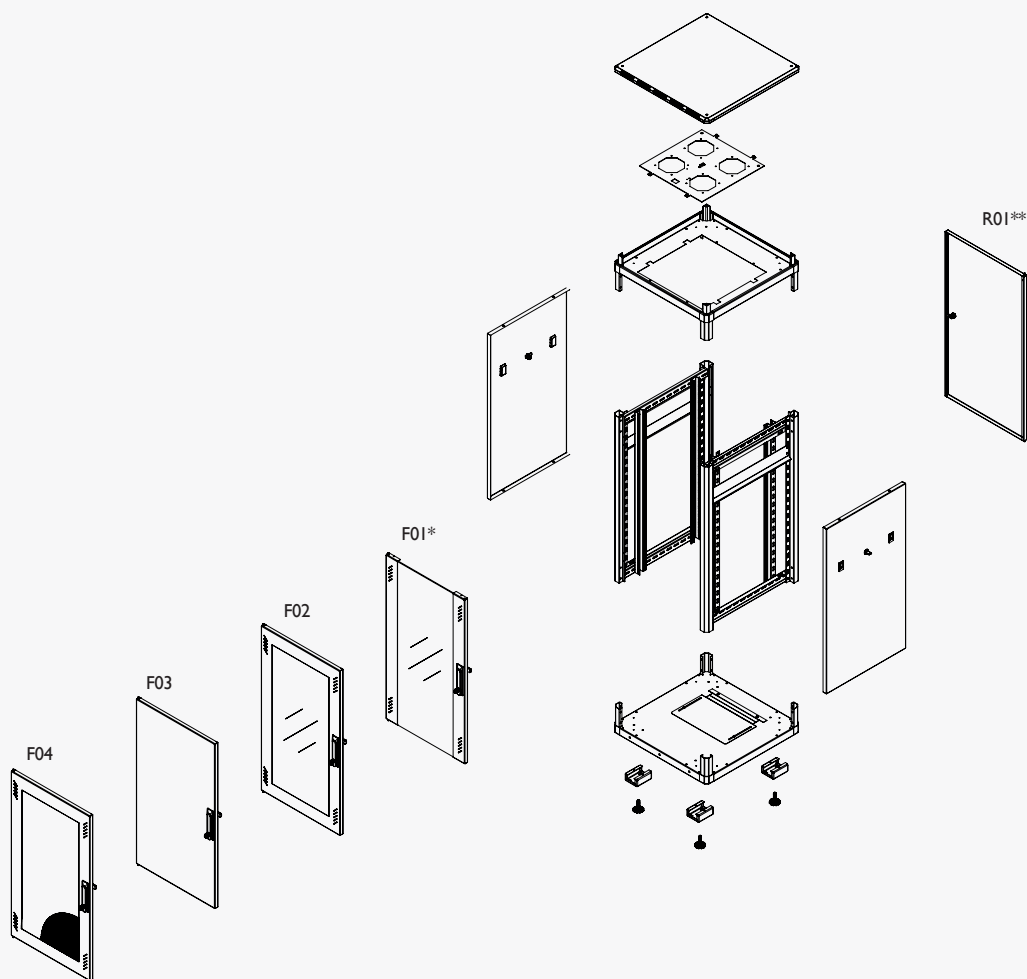


H= Enclosure height

* F01 is the standard front door.

** RX - R01 is standard rear door for 22U and below, is optional door for 26U and above

R02 is standard rear door for 26U and above with 2 brushed cable access part



Exploded view

Universal Line free standing cabinets 19" 600 x 600 mm

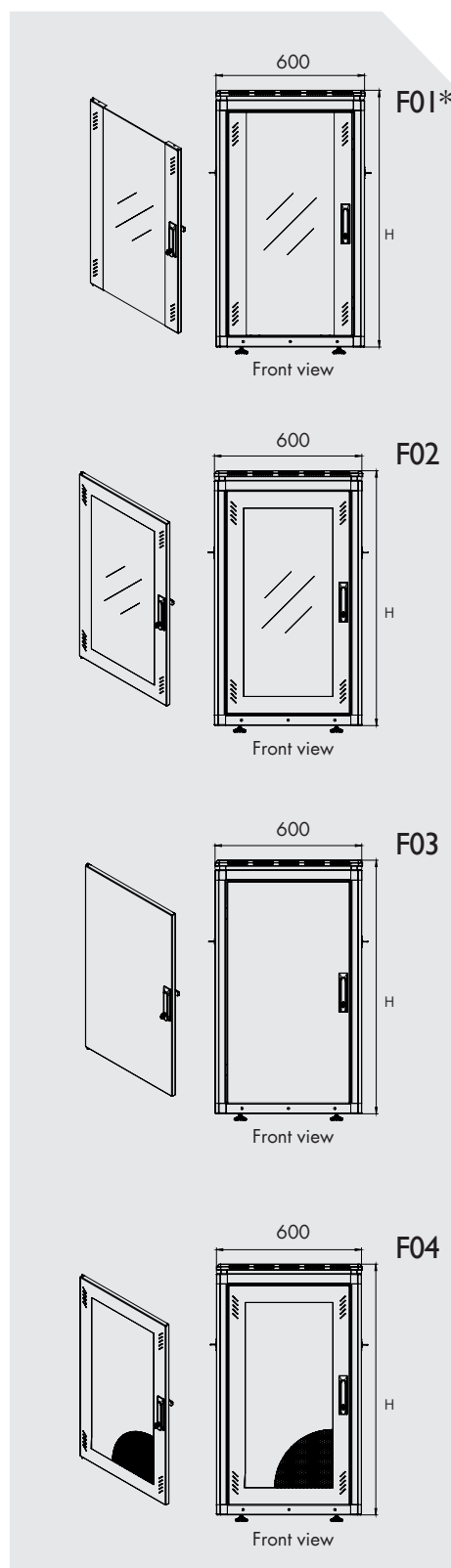
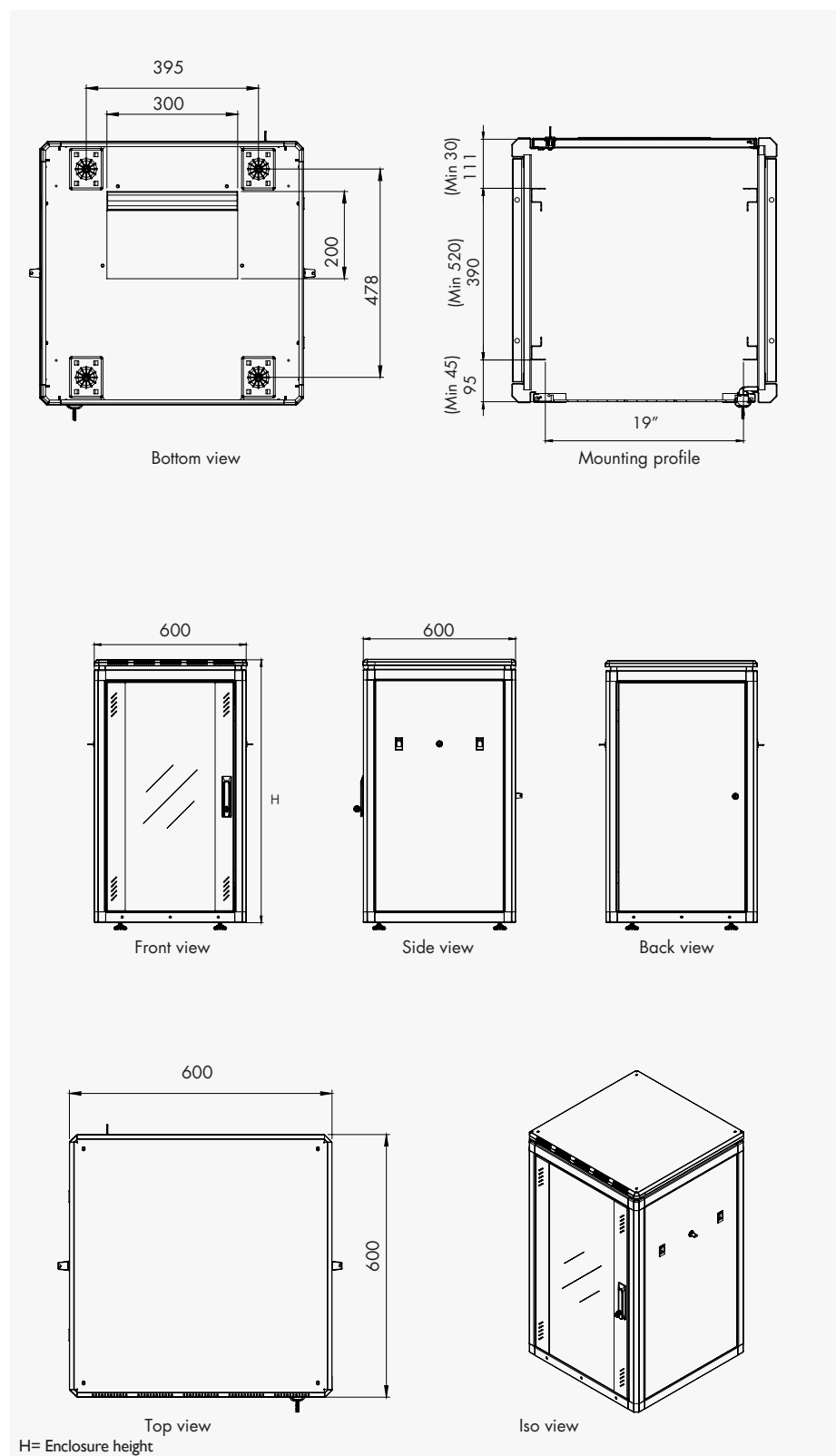
Part number	Product definition (mm)	U Size	Width: overall (mm)	Depth: overall (mm)	Depth: max mounting profile (mm)	Height: vertical mounting profile (mm)	Height: without levelling feet (mm)	Height: with levelling feet (mm)	Height: with casters (mm)
CKR16U66	16U 600x600	16	600	600	390	715	865	880	945
CKR20U66	20U 600x600	20	600	600	390	890	1042	1057	1122
CKR22U66	22U 600x600	22	600	600	390	980	1131	1146	1211

* F01 is the standard front door.

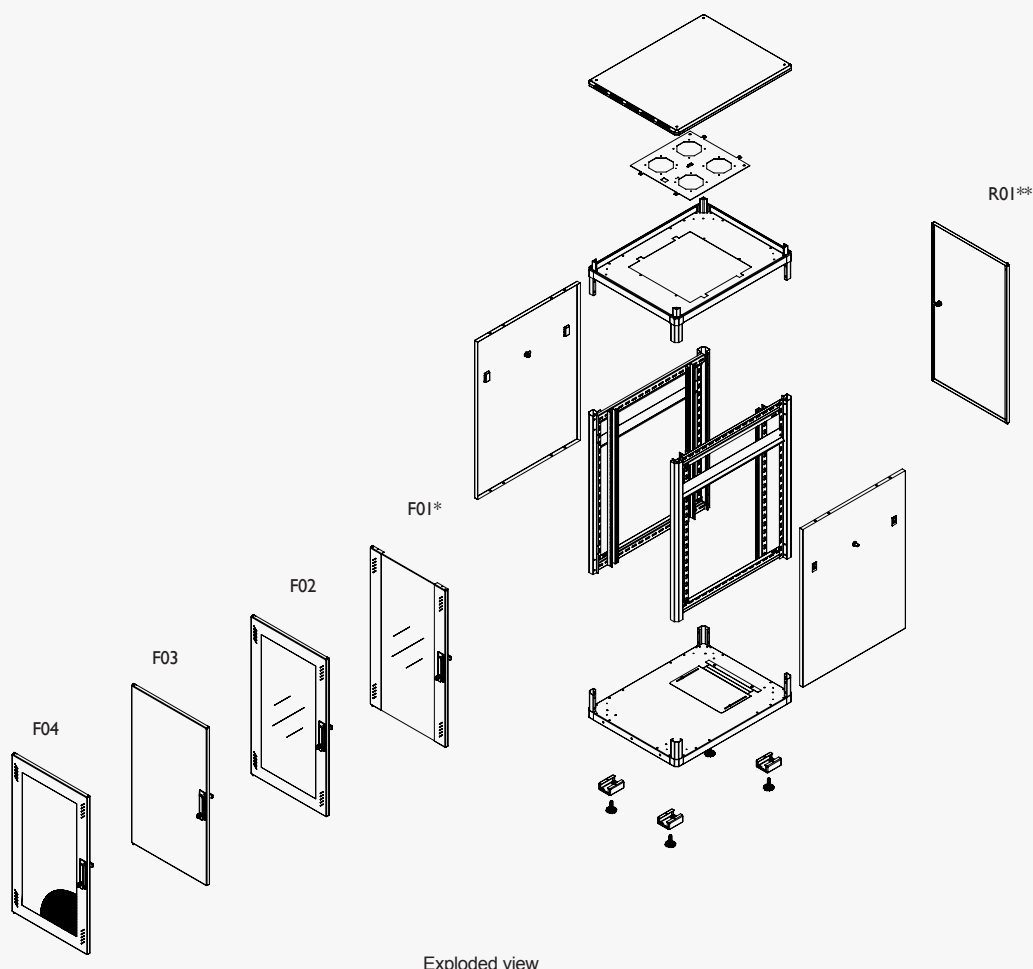
** R01 is the standard rear door for 22U and below.

TECHNICAL DRAWINGS FOR

600x600 - 16U/20U/22U



* F01 is the standard front door.



Exploded view

Universal Line free standing cabinets 19" 600 x 780 mm

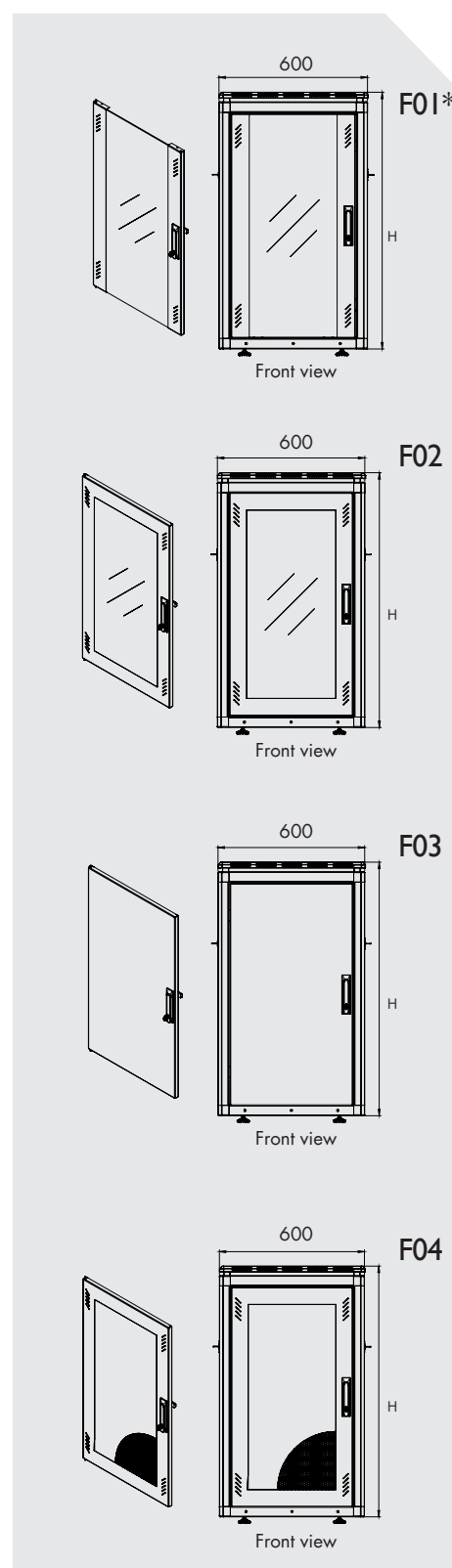
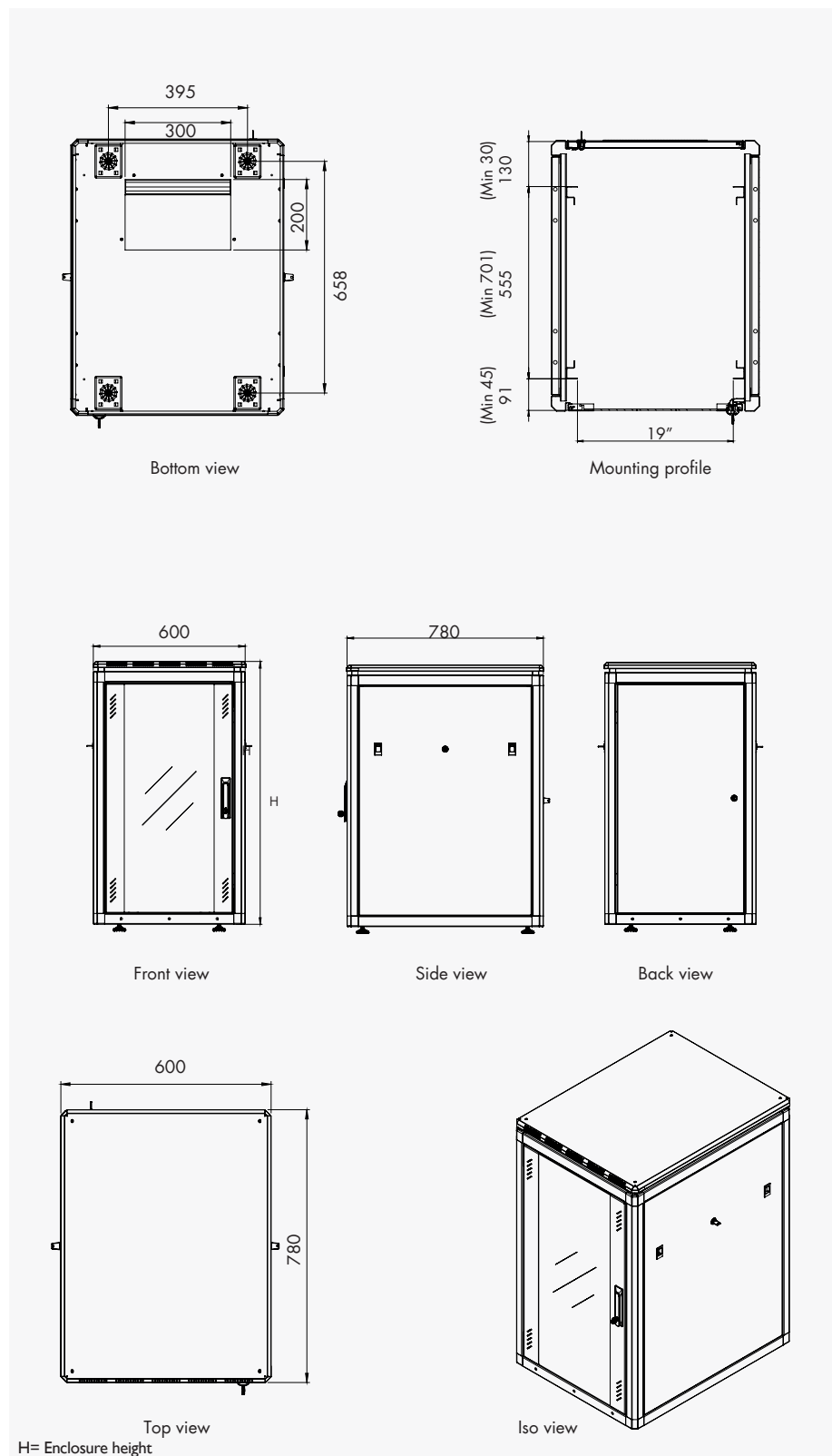
Part number	Product definition (mm)	U Size	Width: overall (mm)	Depth: overall (mm)	Depth: max mounting profile (mm)	Height: vertical mounting profile (mm)	Height: without levelling feet (mm)	Height: with levelling feet (mm)	Height: with casters (mm)
CKR16U68	16U 600x780	16	600	780	555	715	865	880	945
CKR20U68	20U 600x780	20	600	780	555	890	1042	1057	1122
CKR22U68	22U 600x780	22	600	780	555	980	1131	1146	1211

* F01 is the standard front door.

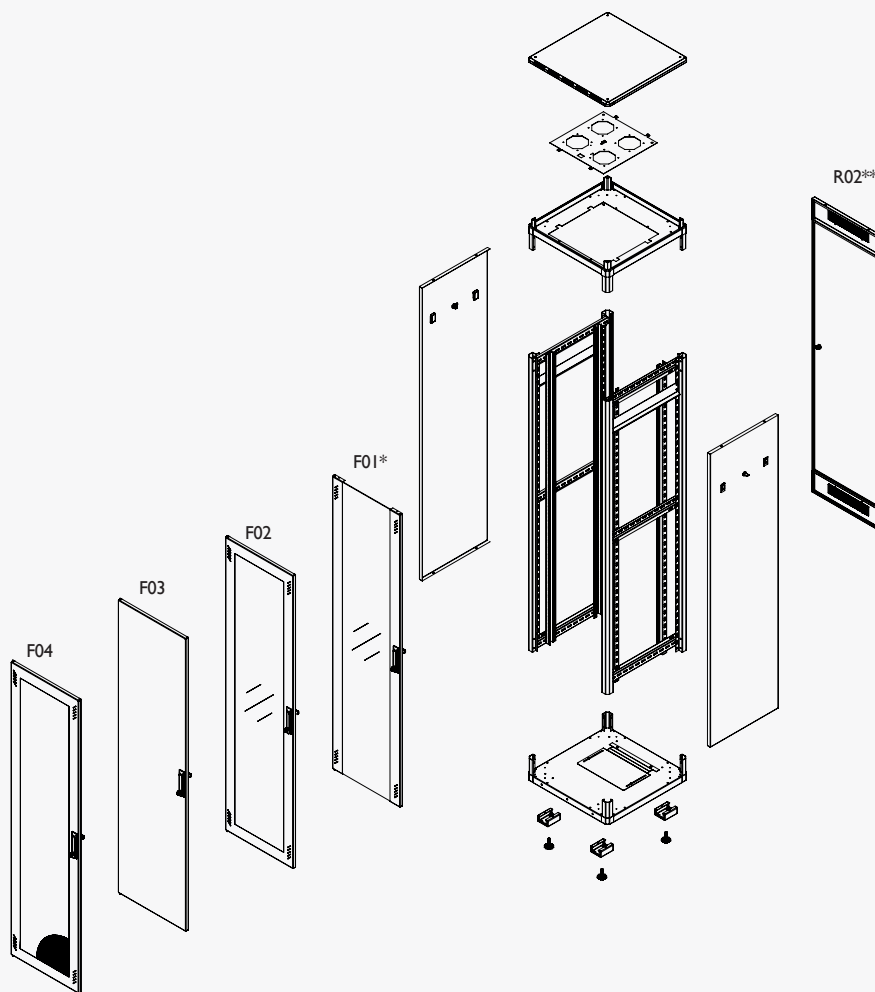
** R01 is the standard rear door for 22U and below.

TECHNICAL DRAWINGS FOR

600x800 - 16U/20U/22U



* F01 is the standard front door.



Exploded view

Universal Line free standing cabinets 19" 600 x 600 mm

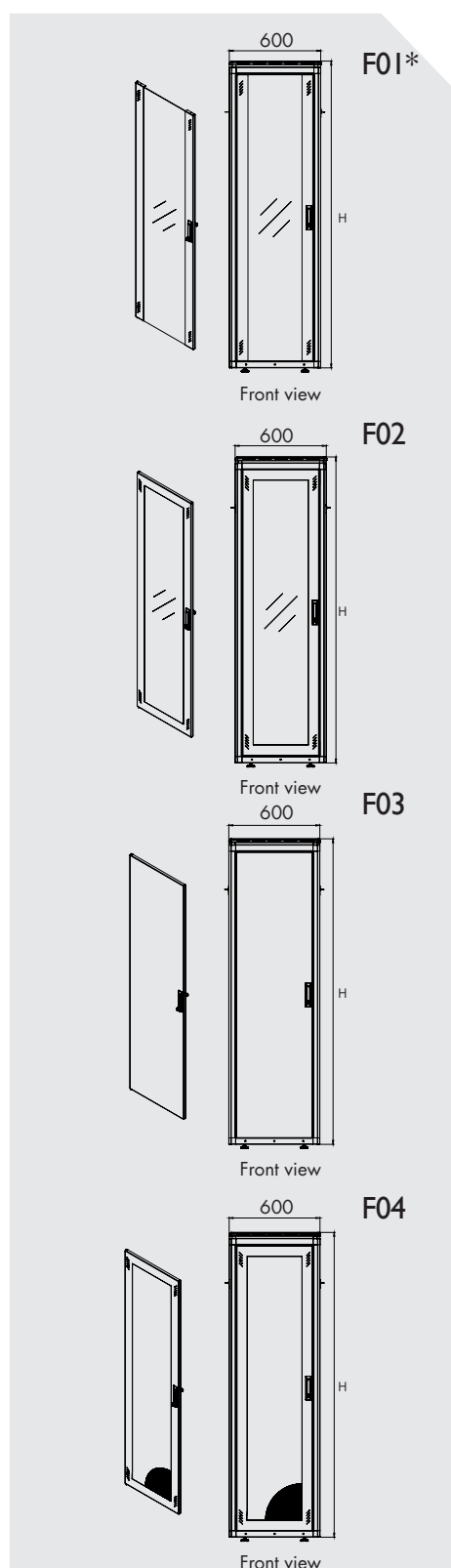
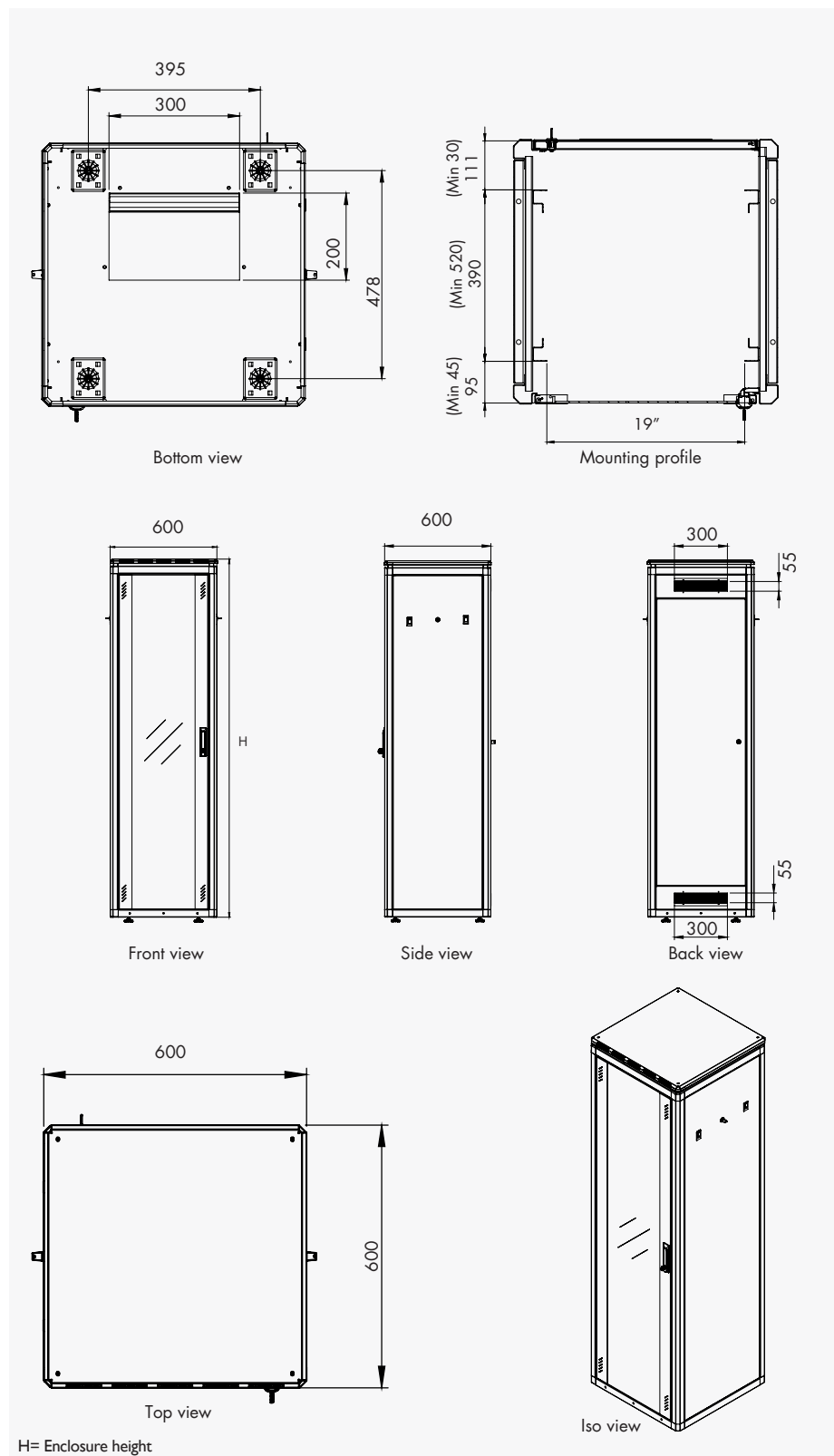
Part number	Product definition (mm)	U Size	Width: overall (mm)	Depth: overall (mm)	Depth: max mounting profile (mm)	Height: vertical mounting profile (mm)	Height: without levelling feet (mm)	Height: with levelling feet (mm)	Height: with casters (mm)
CKR26U66	26U 600x600	26	600	600	390	1160	1309	1324	1389
CKR32U66	32U 600x600	32	600	600	390	1422	1576	1591	1656
CKR36U66	36U 600x600	36	600	600	390	1603	1754	1769	1834
CKR39U66	39U 600x600	39	600	600	390	1735	1887	1902	1967
CKR42U66	42U 600x600	42	600	600	390	1868	2021	2036	2101
CKR44U66	44U 600x600	44	600	600	390	1960	2110	2125	2190
CKR47U66	47U 600x600	47	600	600	390	2093	2244	2259	2324

* F01 is the standard front door.

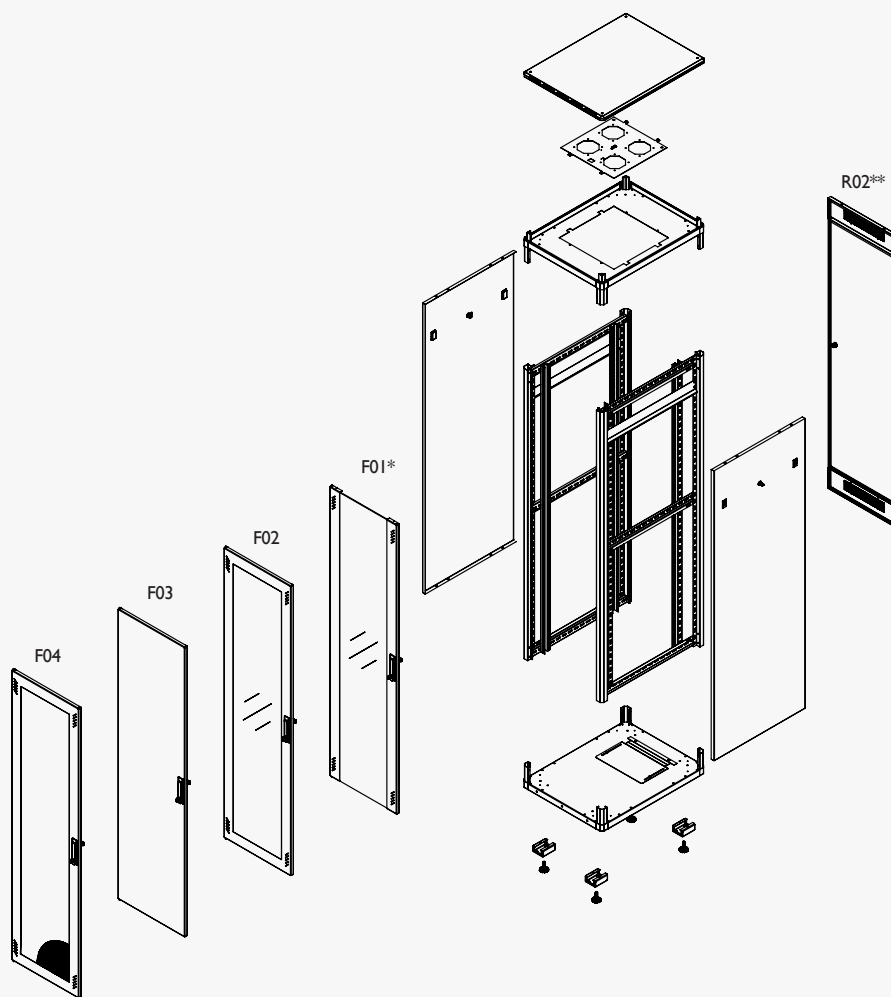
** R02 is the standard rear door for 26U and above.

TECHNICAL DRAWINGS FOR

600x600 - 26U/32U/36U/39U/42U/44U/47U



* F01 is the standard front door.



Exploded view

Universal Line free standing cabinets 19" 600 x 780 mm

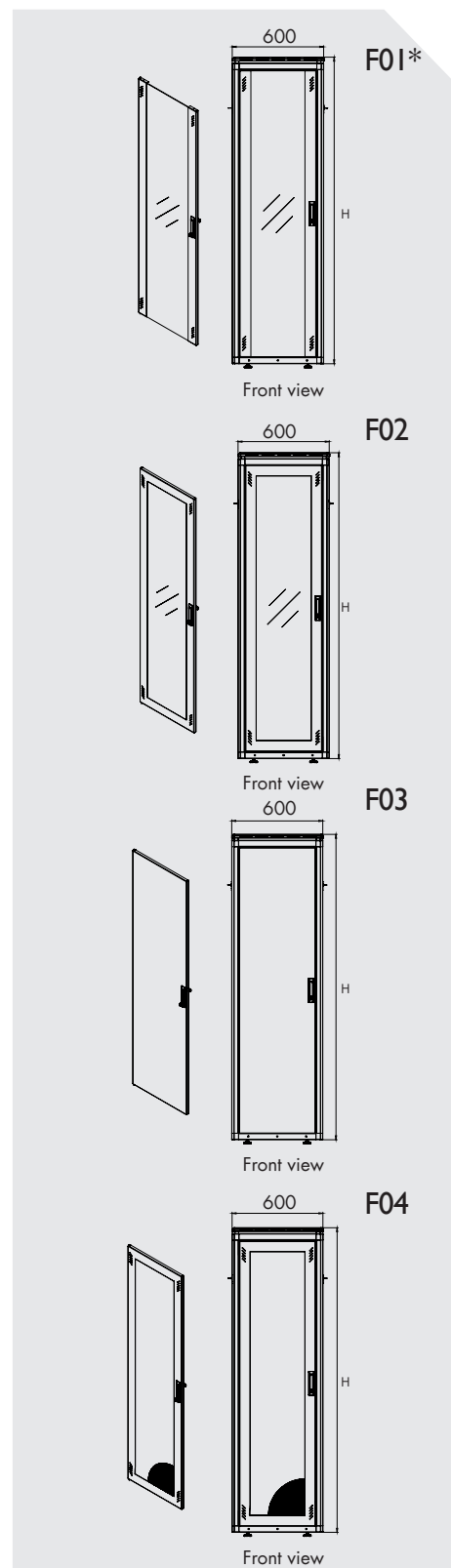
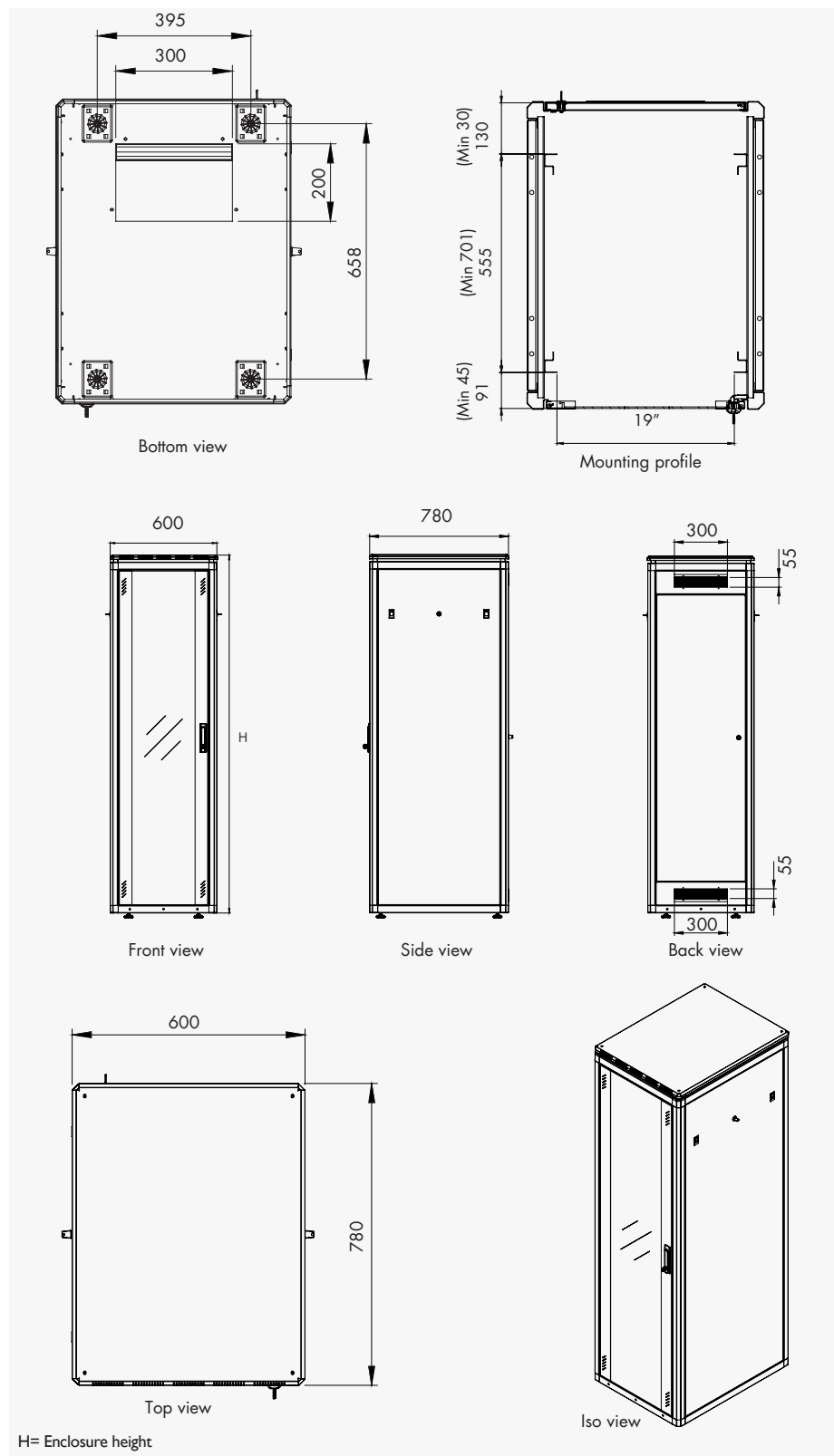
Part number	Product definition (mm)	U Size	Width: overall (mm)	Depth: overall (mm)	Depth: max mounting profile (mm)	Height: vertical mounting profile (mm)	Height: without levelling feet (mm)	Height: with levelling feet (mm)	Height: with casters (mm)
CKR26U68	26U 600x780	26	600	780	555	1160	1309	1324	1389
CKR32U68	32U 600x780	32	600	780	555	1422	1576	1591	1656
CKR36U68	36U 600x780	36	600	780	555	1603	1754	1769	1834
CKR39U68	39U 600x780	39	600	780	555	1735	1887	1902	1967
CKR42U68	42U 600x780	42	600	780	555	1868	2021	2036	2101
CKR44U68	44U 600x780	44	600	780	555	1960	2110	2125	2190
CKR47U68	47U 600x780	47	600	780	555	2093	2244	2259	2324

* F01 is the standard front door.

** R02 is the standard rear door for 26U and above.

TECHNICAL DRAWINGS FOR

600x800 - 26U/32U/36U/39U/42U/44U/47U



* F01 is the standard front door.



STEPS TO SELECT THE RIGHT FREE STANDING ENCLOSURE

In addition to Estap product part numbers, the options mentioned on the next page are to supply the right definition to meet your requirements.

Each wall mounted and free standing enclosure section in the catalogue, has a "Main part number structure" and "Options" sections.

The below example explains how to select the right options for your needs.

The product part number has the below structure:

Product range name + U height (HHU) + Width&Depth (WD)

The product options have the below structure:

Colour option (MX) + Front door option (FX) + Rear door option (RX)

HOW TO SELECT THE OPTIONS

Step 1

Please choose product part number.

For example: **CKR42U6100**

Step 2

Please choose the colour from the table and place it after the part number.

For example: **CKR42U6100 - M02** (MX=Look at the MX colour options on the next page)

Step 3

Please choose the front door from the table and place it after **MX** colour.

For example: **CKR42U6100 - M02 - F01** (FX= Look at the FX front door options on the next page)

Step 4

Please choose the rear door from the table and place it after **FX** front door option.

For example: **CKR42U6100 - M02 - F01 - R02** (RX= Look at the RX rear door options on the next page)

MAIN PART NUMBER STRUCTURE

CKR - HHU - WD

Product range Universal Line	U height	Width & Depth
CKR	HHU	WD
CKR	26U 36U 42U 47U	6100

CKR : Universal Line free standing product range

HHU : U height

WD : Width and depth

OPTIONS

MX - FX - RX

Colour options	Front door options	Rear door options
MX	FX	RX
M01 M02	F05* F06 F07 F08	R01 R02* R03 F04

MX : Colour options

M01= RAL 9005 black  **M02**= RAL 7035 light grey 

FX : Front door options

F05*= Single opening tempered proof glass door with left and right metal frame slotted, single point handled locking

F06= Single opening tempered proof glass door with complete metal frame slotted, single point handled locking

F07= Single opening solid metal door, single point handled locking

F08= Single opening %63 perforated door with complete metal frame slotted, single point handled locking

RX : Rear door options

R01= Single opening solid metal rear door with barrel type, single point lock unit

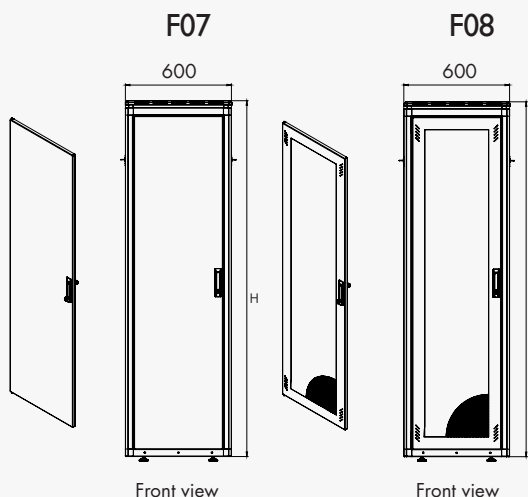
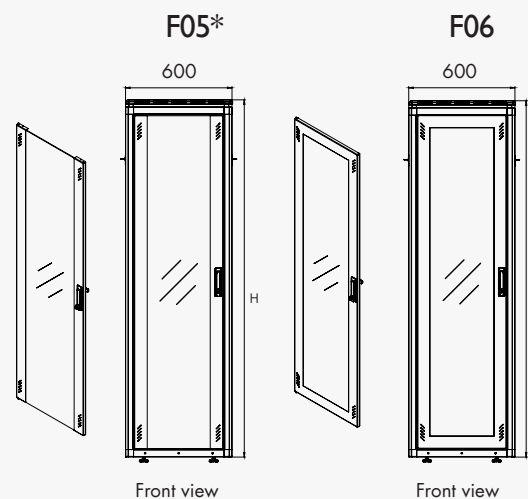
R02*= Single opening solid metal rear door with barrel type, single point lock unit, brushed cable entry on top and bottom

R03= Double opening % 63 perforated rear door with complete frame, 3 point handled locking

F04= Single opening %63 perforated door with complete metal frame slotted, single point handled locking

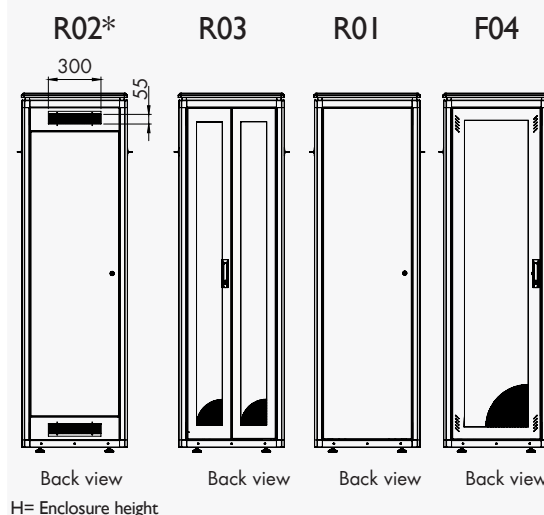
FX

Front door options

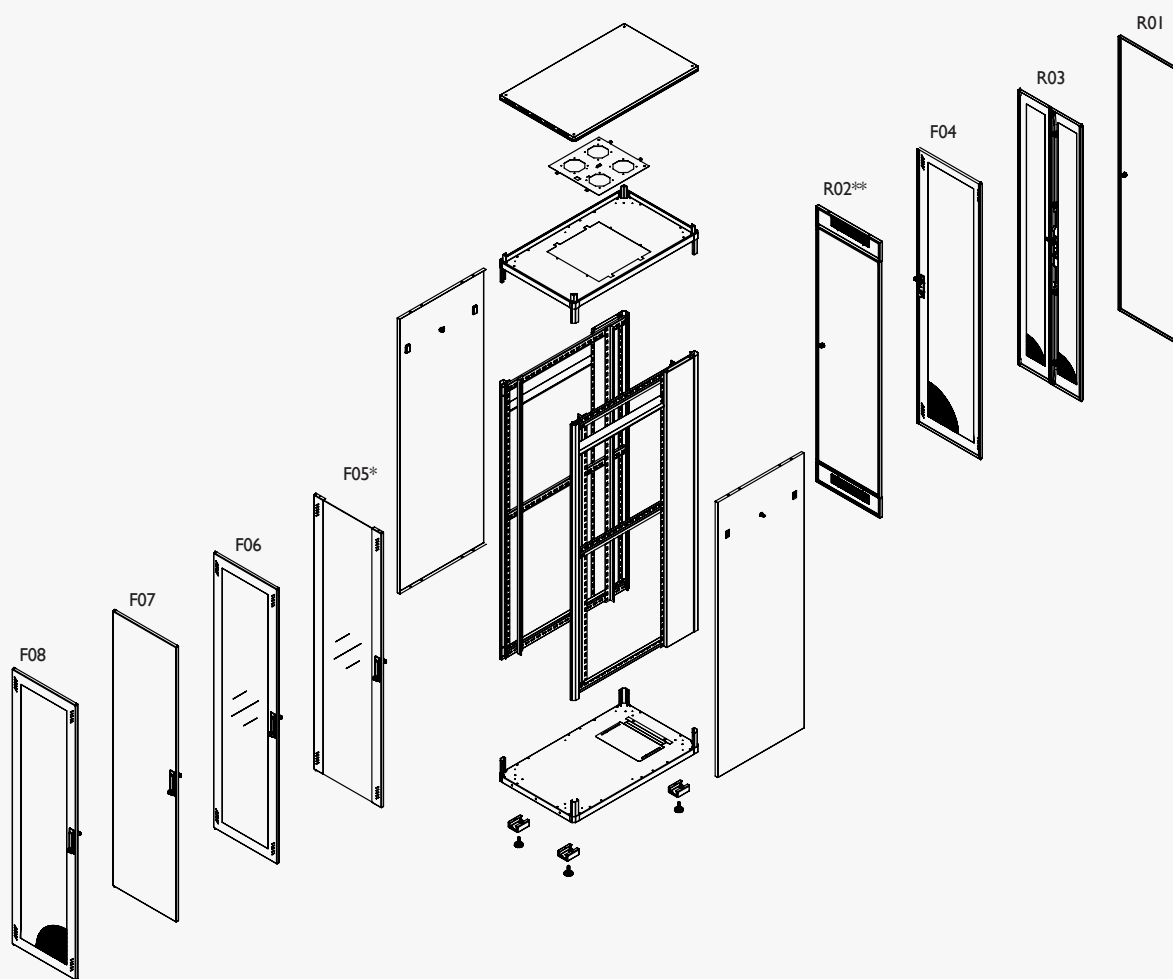


RX

Rear door options



* F05 and R02 are the standard doors



Exploded view

Universal Line free standing cabinets 19" 600 x 1000 mm

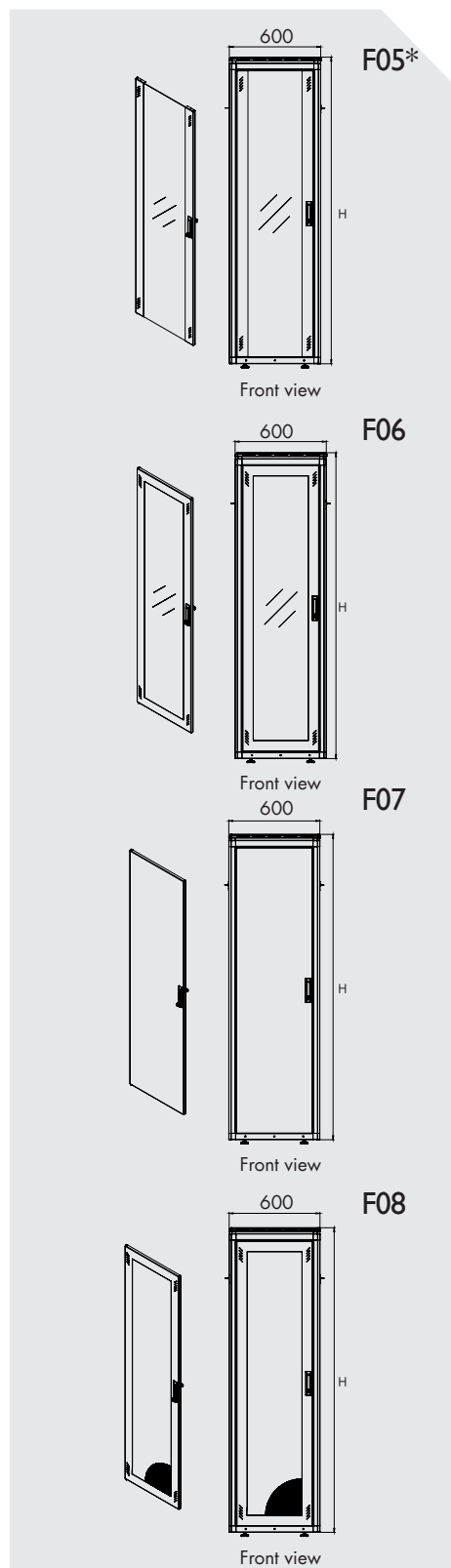
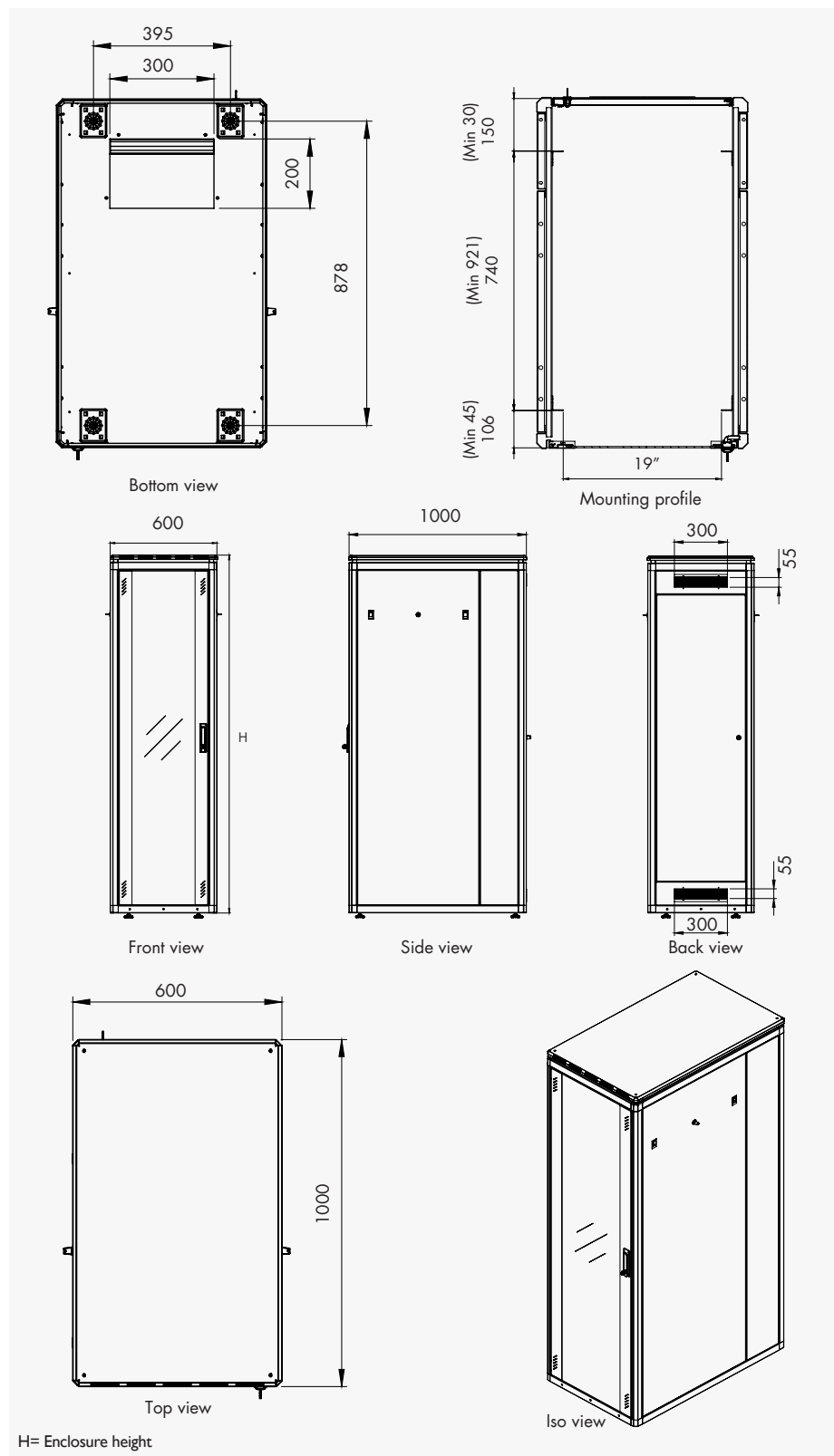
Part number	Product definition (mm)	U Size	Width: overall (mm)	Depth: overall (mm)	Depth: max mounting profile (mm)	Height: vertical mounting profile (mm)	Height: without levelling feet (mm)	Height: with levelling feet (mm)	Height: with casters (mm)
CKR26U6100	26U 600x1000	26	600	1000	740	1175	1309	1324	1389
CKR36U6100	36U 600x1000	36	600	1000	740	1620	1754	1769	1834
CKR42U6100	42U 600x1000	42	600	1000	740	1889	2021	2036	2101
CKR47U6100	47U 600x1000	47	600	1000	740	2110	2244	2259	2324

* F05 is the standard front door.

** R02 is the standard rear door for 26U and above.

TECHNICAL DRAWINGS FOR

600x1000 - 26U/36U/42U/47U



* F05 is the standard front door.



TECHNICAL SPECIFICATIONS

TESTS AND CERTIFICATIONS

Environment

EN61587-1 / 4.2, IEC60068-2, IEC60068-2-2, IEC60068-2-30, IEC60917 and IEC60297

Industrial environment

EN61587-1 / 4.3, IEC60068-2-42, IEC60068-2-43 and IEC60068-2-49, IEC60068-2-1, IEC60917 and IEC60297

Static mechanical structure load test

EN61587-1 / 5.2.1, IEC60917 and IEC60297

Static mechanical structure stability

EN61587-1 / 5.2.2, IEC60917 and IEC60297

Dynamic load, vibration and mechanical stroke

EN61587-1 / 5.3.1, EN61587-1 / 5.3.3, IEC60917, C60297, IEC62208

Grounding continuity

EN61587-1 / 6.2, IEC60917 and IEC60297

Fire and flame resistance

EN61587-1 / 6.3, IEC60917 and IEC60297

Corrosion

ISO9227 and ASTM B 117-85, IEC60917 and IEC60297

IP protection degree

IP20 accordingly EN61587-1 / 6.4, IEC60529, IEC60917 and IEC60297

Transportation

ETS300019-1-2 Class2.3

Storage

ETS300019-1-1 Class1.2

Security

EN60950_LVD

PURCHASED PRODUCT CERTIFICATIONS

Sheet steel

DIN EN 10130 – 99 Ereğli DC-01 6112, 7122, RoHS

Electrostatic powder coating

ISO 9001, ISO 2178, ISO 2813, ISO 6272, ISO 8130-5, ISO 8130-3, RoHS

Fan

ISO 9001, CE (89/336/EEC EMC, 73/23/EEC LVD), RoHS

Glass

ISO 9001, EN 12150 – 1:2000 tempered and secure

Fixings

DIN 7985, DIN 965, DIN 7981, DIN 934, DIN 985, DIN 933, RoHS

Castors

TS EN 12530, TS EN 12532, RoHS

Lock

DIN 1743, DIN 53571, RoHS

KEY FEATURES

Main profile (framework) has an aesthetic structure which increases mechanical resistance, folded at an angle of 45 degrees and consisting of 6 bends for each profile. In total; 24 folds provide framework stability. Tested to provide (x, y, z) axis resistance that meets EN 61587-1/5.2.1 and 5.2.2 and external impact resistance that meets EN 61587-1/5.3.3.

Bottom and upper case have a structure which increases resistance and strength of cabinet by mono-block bended, welded and profile-interlocking design. Profiles are manufactured to interlock bottom and upper case with screws. Cable access at bottom case has a sliding type blanking access plate that would block dust inlet.

A rubber edge on the cable access plate with sliding structure, allows fixing of cables into the cabinet without any damage.

Rear door is manufactured with 2 cable access parts 1 ea. with brush on top 1 ea. on bottom for 26 U and above sizes*.

Rear door in standard configuration is a single opening door which is removable and lockable. For options please see the related diagrams and technical charts on pages 33-43.

Side panels have a structure that can be opened and removed with slam latch and key and are lockable and removable.

Front doors are a framed glass structure which is tempered, anti-static, secure and smoked glass (4 mm thickness) with a decorative stripe, according to EN 12150-1:2000 standard. Front door in standard configuration has left and right metal frame structure with high density polyurethane adhesive and screw. For front door options please see the related diagrams and technical charts on pages 33-43.

Front door can be opened to 125 degrees, removable and lockable with handle type locking unit.

Pagoda style vented top panel with a dedicated space of ventilation fan module system allows easy installation of max. 4 fans.

19"(inch) mounting angles (2ea. in front and 2ea. in rear) are part of the cabinet interior configuration and adjustable in depth.

Baying is possible for side by side applications without side panels. Levelling feet are standard in shipping configuration. The cabinet meets

EN 61587-1, IEC 60917, IEC 60297 standards, RoHS compliancy, Gost and TSE certified.

Cabinets are manufactured in our factory which has ISO 9001:2008 Quality Assurance System and our responsibility for environment with ISO 14001:2004 Environmental Management System.

* Please see related diagrams to define the difference of rear door design between up to 26U and above 26U

TECHNICAL SPECIFICATIONS

Custom number

85380000 / 85381000 / 853710990019

Shipping structure

Assembled

Mounting type

Stand alone

Load carrying capacity (kg)

600

Certification on product

TSE, Gost

Surface finish

Electrostatic powder coated c/with surface treatment , 80 +/- 5 micron paint thickness and tested according to IEC 60068-2-1, 2-2, 2-30, 2-42, 2-43, 2-49, 2-11

STANDARD PRODUCT

Standard colour

RAL 7035, RAL 9005

Standard stripe colour

Orange

IP protection standard

IP20

FRONT DOOR

Shatterproof glass with left and right metal frame

Glass

4 mm thickness full-length smoked, shatterproof, tempered, secure

Front door construction

Single door opening

Front door lock

Handle type, single point locking

Adhesive material

High density polyurethane DIN 53479, DIN 53505

Hinge system

Spring loaded

Door opening angle and swapping

125 degree, possible to swap one side to the other

SIDE PANEL

Solid metal, 1 mm left and right (2ea.)

Side panel construction

Lockable, removable c/with slam latches and lock

Side panel lock

Barrel type lock unit, single point + Slam latch (2ea)

REAR DOOR

Solid metal, 1 mm

Rear door construction

Single opening, solid metal with brushed cable entry on top and bottom.

Rear door lock

Barrel type lock unit, single point

Hinge system

Spring loaded

Door opening angle and swapping

125 degree, possible to swap one side to the other

TOP COVER

Solid metal 1 mm

Top cover construction

Pagoda type structure provides efficient air removal

FRAMEWORK

Top and bottom base units

Solid metal 1,5 mm

Top and bottom base units construction

Completely welded corner socket system

Uprights

Solid metal, 1,5 mm

Uprights construction

Tightly fixed into top and bottom base units 6 times folded

INTERIOR PARTS

19" mounting angles

Solid metal, 1,5 mm

3 times folded 600x600, 600x780 / 1 time folded for 600x1000

"U" marking available 2 ea. at rear, 2 ea. at front

Pre-configured as 19"

Zinc plated, passivated, 8-12 micron.

Adjustable in depth

C type support rails in depth

Solid metal, 1,5 mm

3 times folded, 2 ea. at left , 2 ea. at right up to 26U

3 ea. at left , 3 ea. at right 26U and higher

OPTIONS

For front and rear door options, please look at pages 33-43.



For CUSTOMIZED PRODUCTS rather than above options, please contact sales department.



STEPS TO SELECT THE RIGHT FREE STANDING ENCLOSURE

In addition to Estap product part numbers, the options mentioned on the next page are to supply the right definition to meet your requirements.

Each wall mounted and free standing enclosure section in the catalogue, has a "Main part number structure" and "Options" sections.

The below example explains how to select the right options for your needs.

The product part number has the below structure:

Product range name + U height (HHU) + Width&Depth (WD)

The product options have the below structure:

Colour option (MX) + Front door option (FX) + Rear door option (RX)

HOW TO SELECT THE OPTIONS

Step 1

Please choose product part number.

For example: **CKR42U88**

Step 2

Please choose the colour from the table and place it after the part number.

For example: **CKR42U88 - M02** (MX=Look at the MX colour options on the next page)

Step 3

Please choose the front door from the table and place it after **MX** colour.

For example: **CKR42U88 - M02 - F09** (FX= Look at the FX front door options on the next page)

Step 4

Please choose the rear door from the table and place it after **FX** front door option.

For example: **CKR42U88 - M02 - F09 - R06** (RX= Look at the RX rear door options on the next page)

MAIN PART NUMBER STRUCTURE

CKR	-	HHU	-	WD
Product range Universal Line		U height		Width & Depth
CKR	+	HHU	+	WD
CKR		32U		86
		36U		88
		39U		
		42U		
		44U		
		47U		

CKR : Universal Line free standing product range
HHU : "U" height
WD : Width and depth

OPTIONS

MX	-	FX	-	RX
Colour options		Front door options		Rear door options
MX	+	FX	+	RX
M01		F09*		R04**
M02		F10		R05
		F11		R06*
		F12***		F12***
		R04**		

MX : Colour options

M01 = RAL 9005 black  **M02** = RAL 7035 light grey 

FX : Front door options

F09* = Double opening tempered proof glass door with left and right metal frame slotted, two point barrel type locking

F10 = Single opening tempered proof glass door with complete metal frame slotted, single point handled locking

F11 = Single opening solid metal door, single point handled locking

F12*** = Single opening %63 perforated door with complete metal frame slotted, single point handled locking

R04** = Double opening %63 perforated door with complete metal frame, 3 point handled locking

RX : Rear door options

R06* = Double opening complete metal door with brushed cable entry, barrel type single point lock unit.

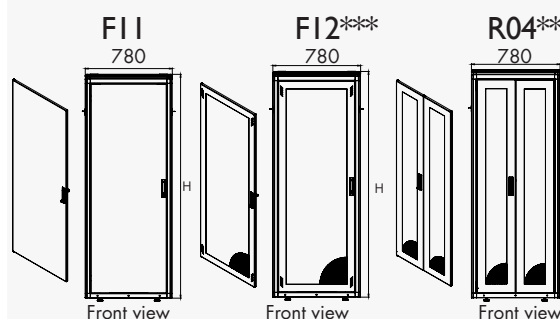
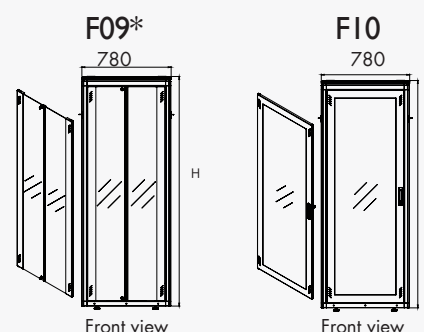
R04** = Double opening %63 perforated door with complete metal frame, 3 point handled locking

R05 = Single opening solid metal rear door with barrel type, single point lock unit

F12*** = Single opening %63 perforated door with complete metal frame slotted, single point handled locking

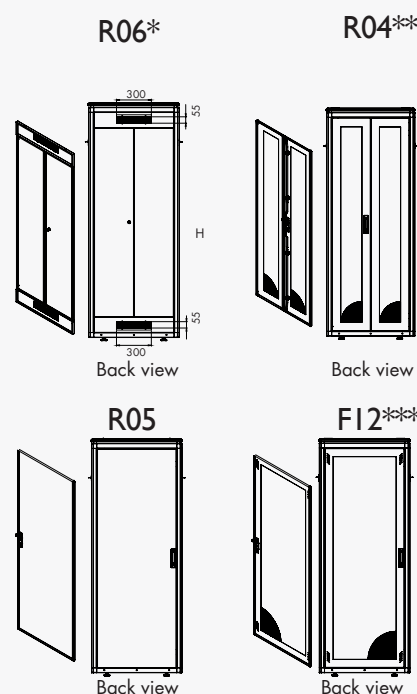
FX

Front door options



RX

Rear door options

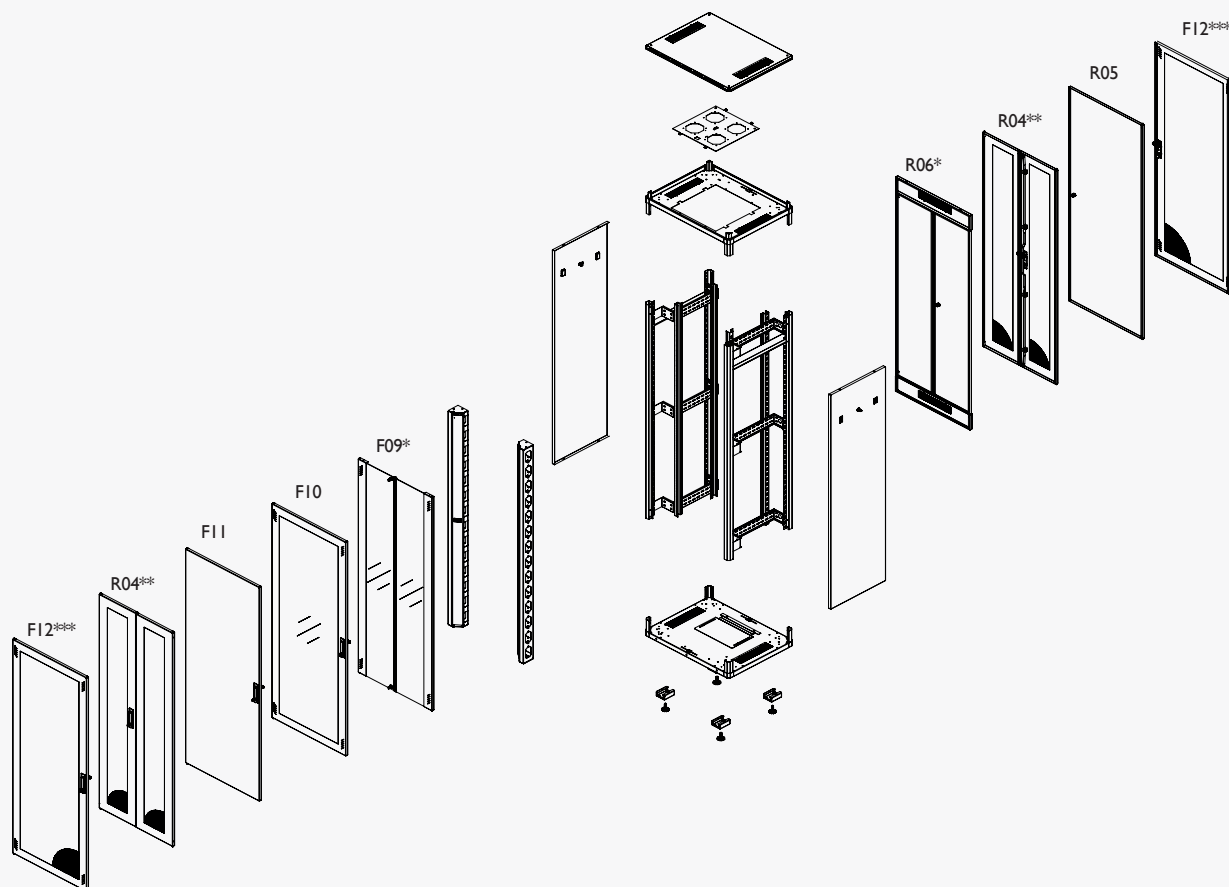


H= Enclosure height

* F09 and R06 are the standard doors.

** R04 can be usable as front door also.

*** F12 used as rear door as well.



Exploded view

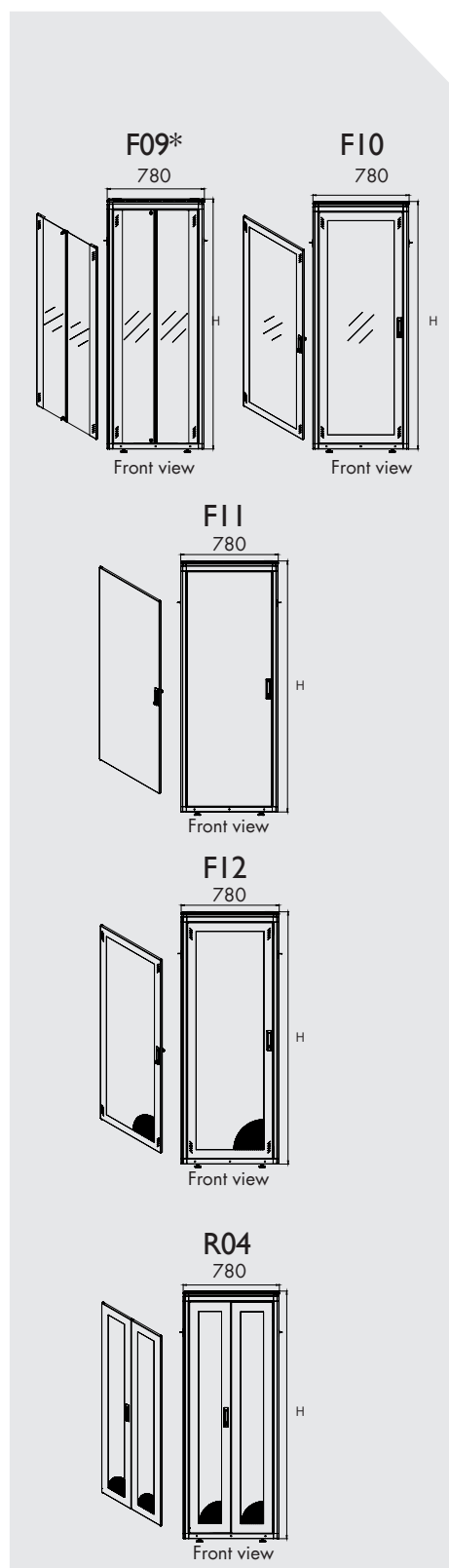
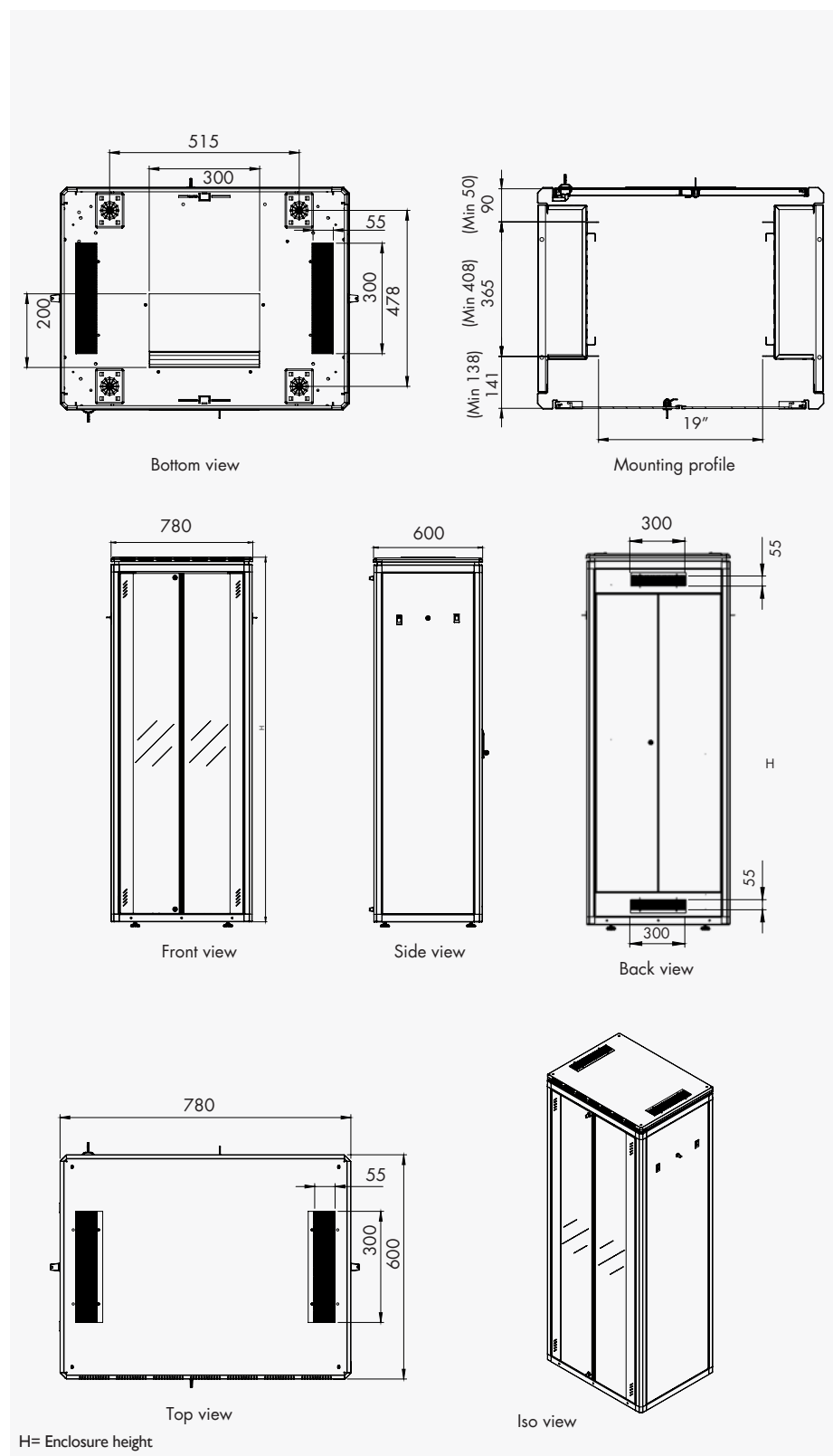
Universal Line JUMBO cabinets 19" 780 x 600 mm

Part number	Product definition (mm)	U Size	Width: overall (mm)	Depth: overall (mm)	Depth: max mounting profile (mm)	Height: vertical mounting profile (mm)	Height: without levelling feet (mm)	Height: with levelling feet (mm)	Height: with casters (mm)
CKR32U86	32U 780x600	32	780	600	365	1422	1576	1591	1656
CKR36U86	36U 780x600	36	780	600	365	1603	1754	1769	1834
CKR39U86	39U 780x600	39	780	600	365	1735	1887	1902	1967
CKR42U86	42U 780x600	42	780	600	365	1868	2021	2036	2101
CKR44U86	44U 780x600	44	780	600	365	1960	2110	2125	2190
CKR47U86	47U 780x600	47	780	600	365	2093	2244	2259	2324

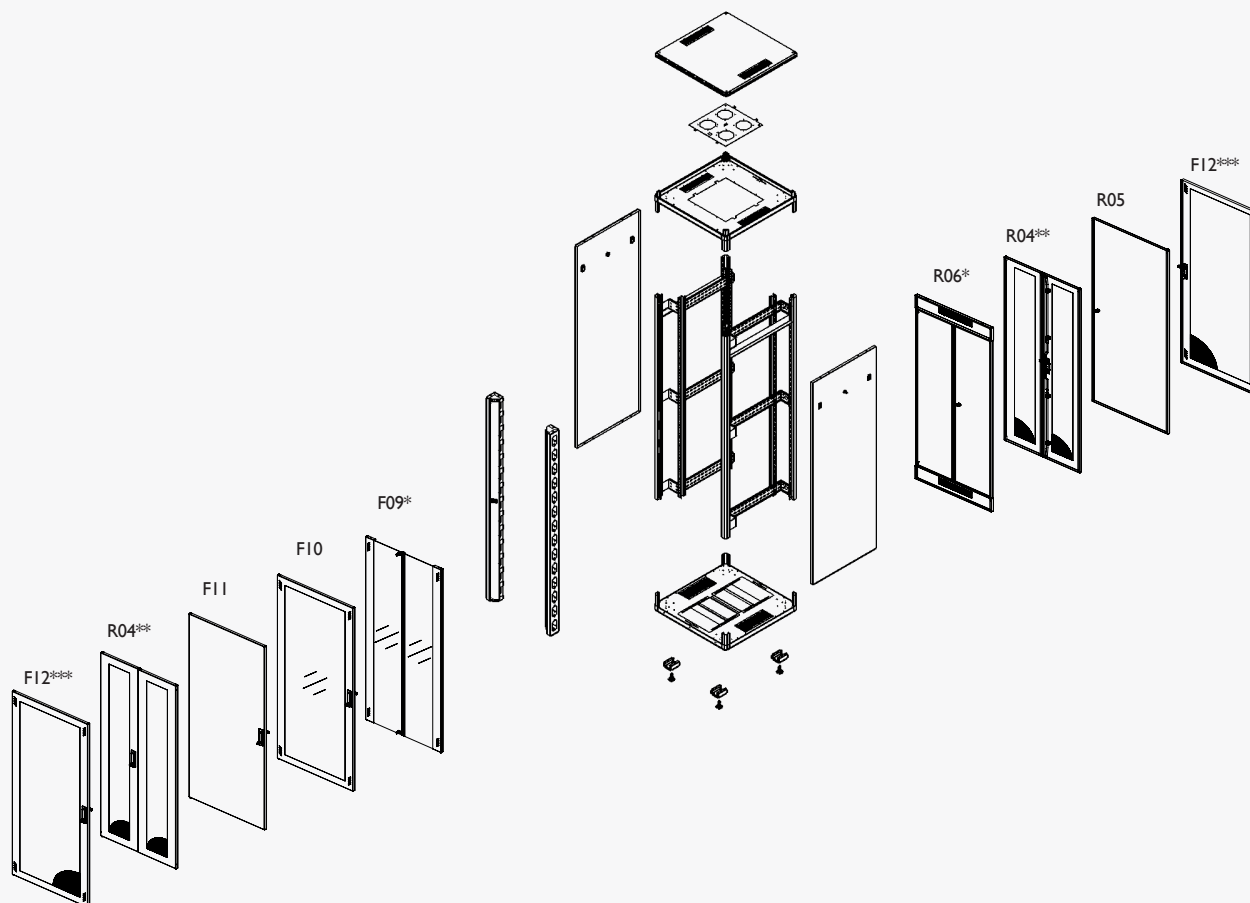
* F09 and R06 are the standard doors.

** R04 is usable as front door also.

*** F12 is usable as rear door also.



* F09 is the standard door.



Exploded view

Universal Line JUMBO cabinets 19" 780 x 780 mm

Part number	Product definition (mm)	U Size	Width: overall (mm)	Depth: overall (mm)	Depth: max mounting profile (mm)	Height: vertical mounting profile (mm)	Height: without levelling feet (mm)	Height: with levelling feet (mm)	Height: with casters (mm)
CKR32U88	32U 780x780	32	780	780	550	1422	1576	1591	1656
CKR36U88	36U 780x780	36	780	780	550	1603	1754	1769	1834
CKR39U88	39U 780x780	39	780	780	550	1735	1887	1902	1967
CKR42U88	42U 780x780	42	780	780	550	1868	2021	2036	2101
CKR44U88	44U 780x780	44	780	780	550	1960	2110	2125	2190
CKR47U88	47U 780x780	47	780	780	550	2093	2244	2259	2324

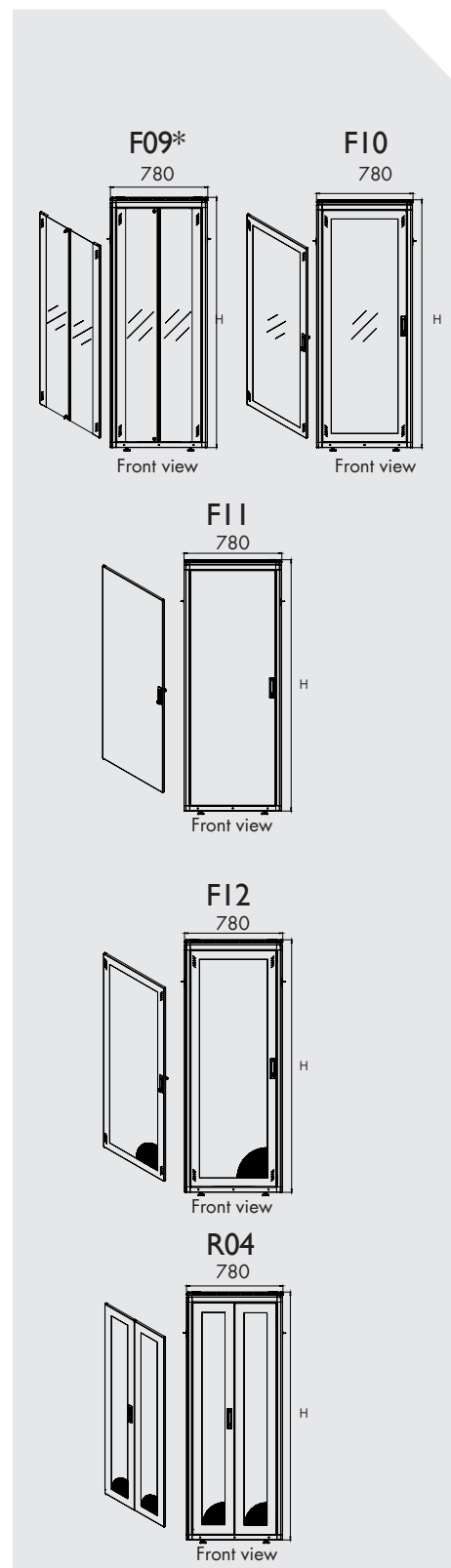
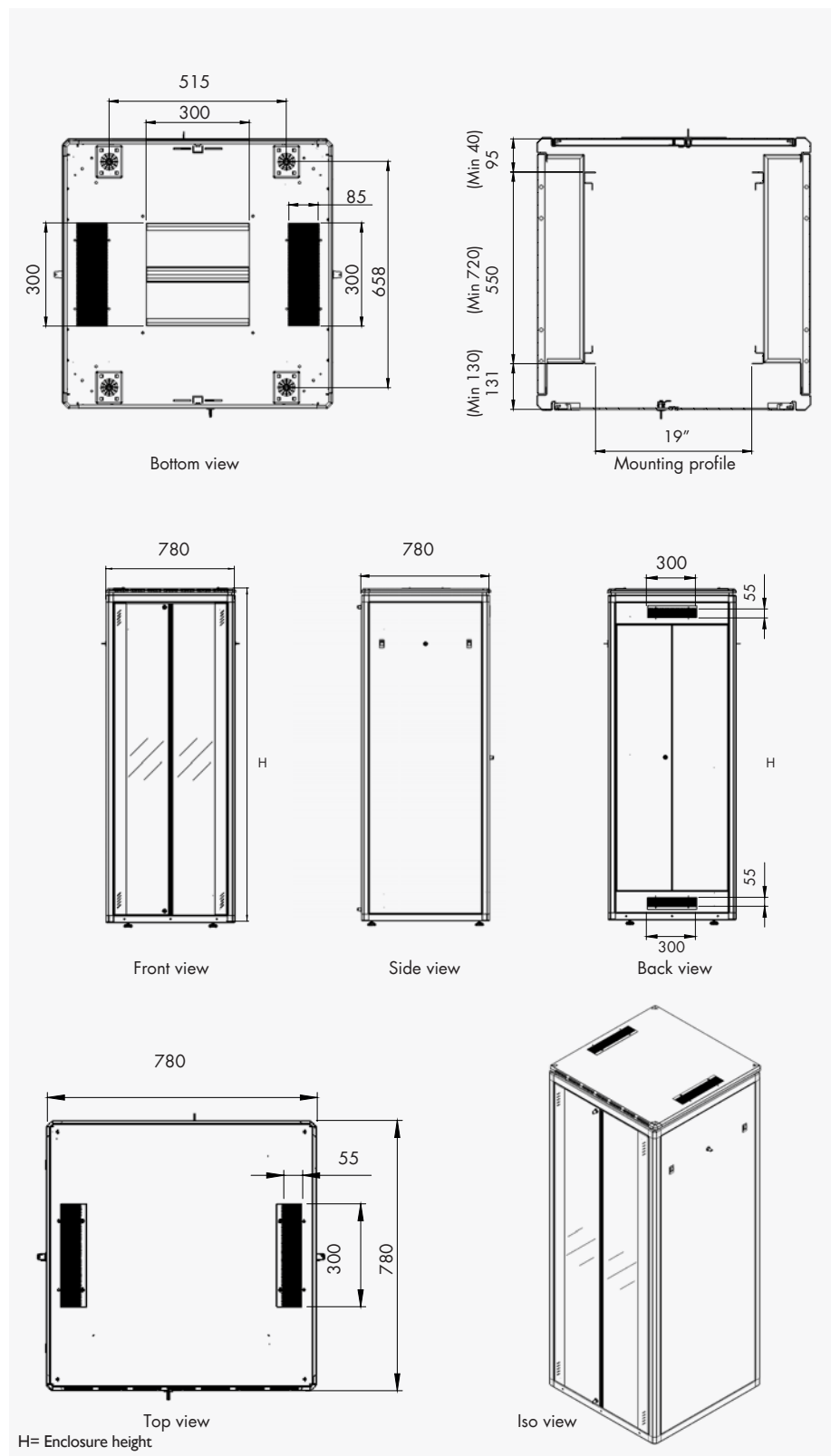
* F09 and R06 are the standard doors.

** R04 is usable as front door also

*** F12 is usable as rear door also.

TECHNICAL DRAWINGS FOR

800x800 - 42U/47U



* F09 is the standard front door.



STEPS TO SELECT THE RIGHT FREE STANDING ENCLOSURE

In addition to Estap product part numbers, the options mentioned on the next page are to supply the right definition to meet your requirements.

Each wall mounted and free standing enclosure section in the catalogue, has a "Main part number structure" and "Options" sections.

The below example explains how to select the right options for your needs.

The product part number has the below structure:

Product range name + U height (HHU) + Width&Depth (WD)

The product options have the below structure:

Colour option (MX) + Front door option (FX) + Rear door option (RX)

HOW TO SELECT THE OPTIONS

Step 1

Please choose product part number.

For example: **CKR42U8100**

Step 2

Please choose the colour from the table and place it after the part number.

For example: **CKR42U8100 - M02** (MX=Look at the MX colour options on the next page)

Step 3

Please choose the front door from the table and place it after **MX** colour.

For example: **CKR42U8100 - M02 - F09** (FX= Look at the FX front door options on the next page)

Step 4

Please choose the rear door from the table and place it after **FX** front door option.

For example: **CKR42U8100 - M02 - F09 - R06** (RX= Look at the RX rear door options on the next page)

MAIN PART NUMBER STRUCTURE

CKR - HHU - WD		
Product range Universal Line	U height	Width & Depth
CKR	HHU	WD
CKR	42U 47U	8100

CKR : Universal Line product range

HHU : "U" height

WD : Width and depth

OPTIONS

MX - FX - RX		
Colour options	Front door options	Rear door options
MX	FX	RX
M01	F09*	R04**
M02	F10	R05
	F11	R06*
	F12	F12***
	R04**	

MX : Colour options

M01 = RAL 9005 black  **M02** = RAL 7035 light grey 

FX : Front door options

F09* = Double opening tempered proof glass door with left and right metal frame slotted, two point barrel type locking

F10 = Single opening tempered proof glass door with complete metal frame slotted, single point handled locking

F11 = Single opening solid metal door, single point handled locking

F12*** = Single opening %63 perforated door with complete metal frame slotted, single point handled locking

R04** = Double opening %63 perforated door with complete metal frame, 3 point handled locking

RX : Rear door options

R05 = Single opening solid metal rear door with barrel type, single point lock unit

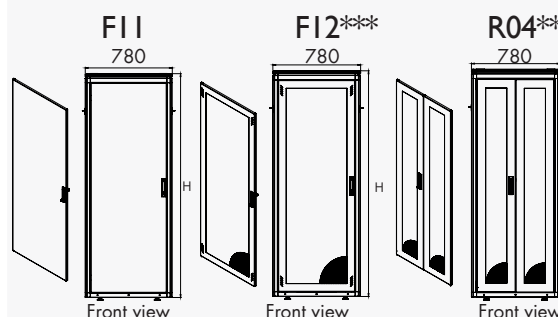
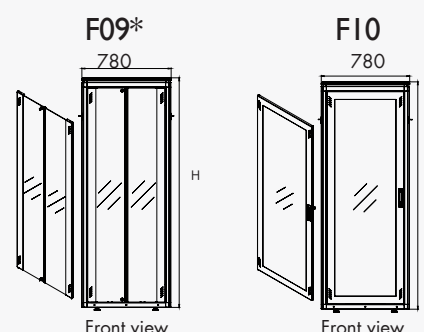
R04** = Double opening %63 perforated door with complete metal frame, 3 point handled locking

R06* = Double opening complete metal door with brushed cable entry, barrel type single point lock unit.

F12*** = Single opening %63 perforated door with complete metal frame slotted, single point handled locking

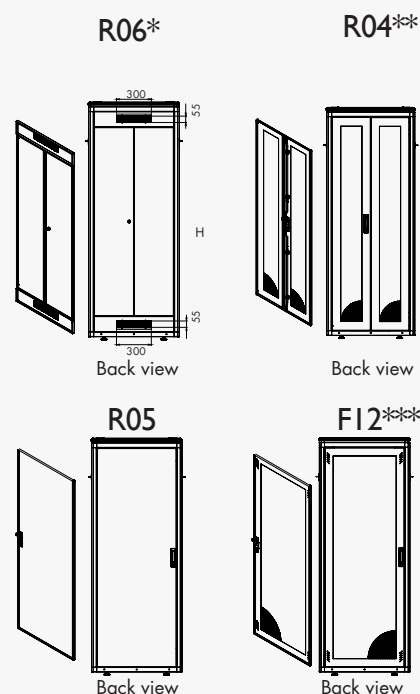
FX

Front door options



RX

Rear door options

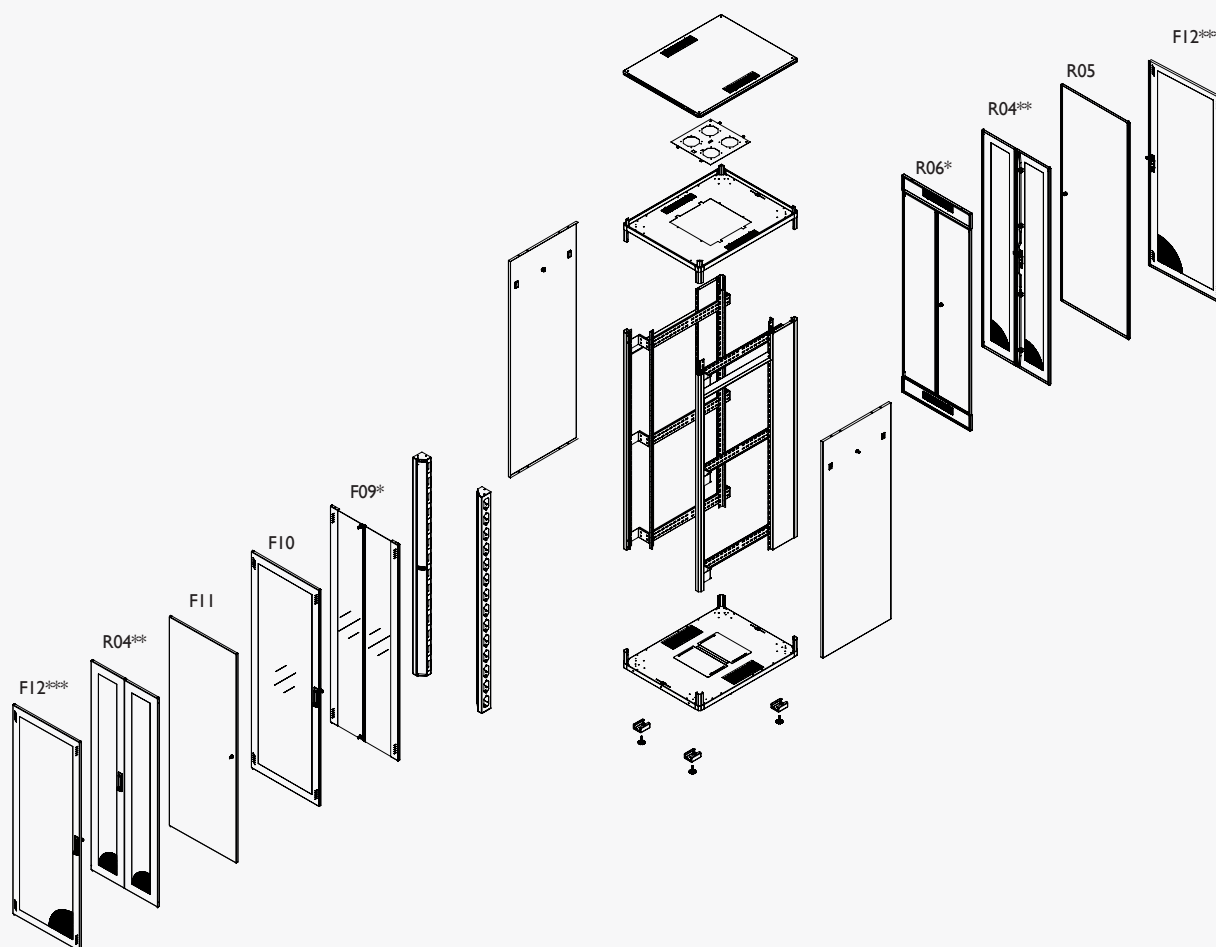


H= Enclosure height

* F09 and R06 are the standard doors

** R04 is usable as front door also.

*** F12 is usable as rear door also.



Exploded view

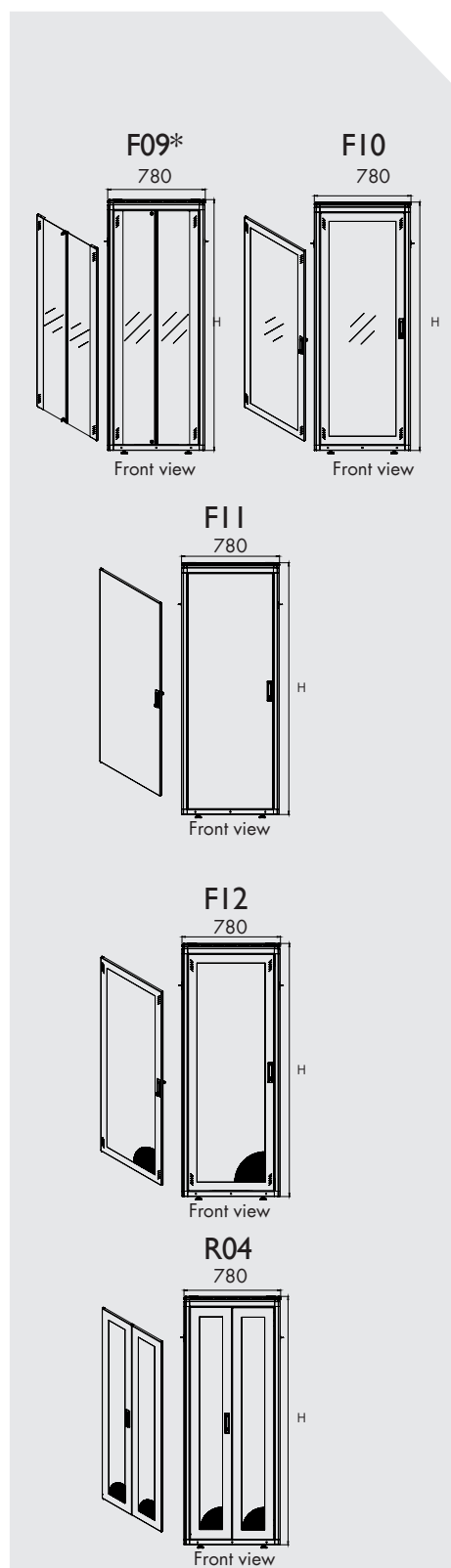
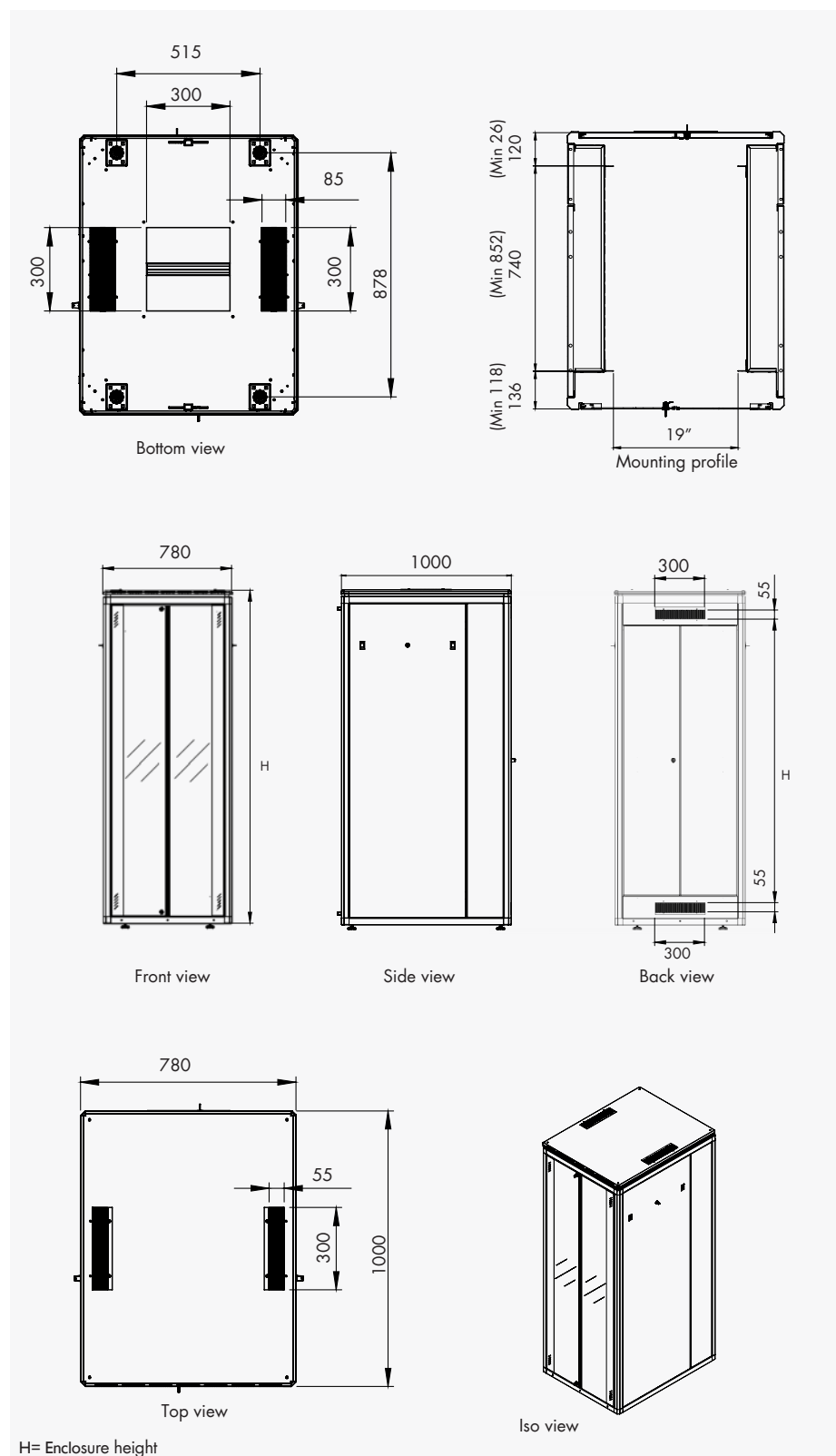
Universal Line JUMBO cabinets 19" 780 x 1000 mm

Part number	Product definition (mm)	U Size	Width: overall (mm)	Depth: overall (mm)	Depth: max mounting profile (mm)	Height: vertical mounting profile (mm)	Height: without levelling feet (mm)	Height: with levelling feet (mm)	Height: with casters (mm)
CKR42U8100	42U 780X1000	42	780	1000	740	1889	2021	2036	2101
CKR47U8100	47U 780X1000	47	780	1000	740	2110	2244	2259	2324

* F09 and R06 are the standard doors.

** R04 is usable as front door also.

*** F12 is usable as rear door also.



* F09 is the standard front door.



TECHNICAL SPECIFICATIONS

TESTS AND CERTIFICATIONS

Environment

EN61587-1 / 4.2, IEC60068-2, IEC60068-2-2, IEC60068-2-30, IEC60917 and IEC60297

Industrial environment

EN61587-1 / 4.3, IEC60068-2-42, IEC60068-2-43 and IEC60068-2-49, IEC60068-2-1, IEC60917 and IEC60297

Static mechanical structure load test

EN61587-1 / 5.2.1, IEC60917 and IEC60297

Static mechanical structure stability

EN61587-1 / 5.2.2, IEC60917 and IEC60297

Dynamic load, vibration and mechanical stroke

EN61587-1 / 5.3.1, EN61587-1 / 5.3.3, IEC60917, C60297, IEC62208

Grounding continuity

EN61587-1 / 6.2, IEC60917 and IEC60297

Fire and flame resistance

EN61587-1 / 6.3, IEC60917 and IEC60297

Corrosion

ISO9227 and ASTM B 117-85, IEC60917 and IEC60297

IP protection degree

IP20 accordingly EN61587-1 / 6.4, IEC60529, IEC60917 and IEC60297

Transportation

ETS300019-1-2 Class2.3

Storage

ETS300019-1-1 Class1.2

Security

EN60950_LVD

PURCHASED PRODUCT CERTIFICATIONS

Sheet steel

DIN EN 10130 – 99 Ereğli DC-01 6112, 7122, RoHS

Electrostatic powder coating

ISO 9001, ISO 2178, ISO 2813, ISO 6272, ISO 8130-5, ISO 8130-3, RoHS

Fan

ISO 9001, CE (89/336/EEC EMC, 73/23/EEC LVD), RoHS

Glass

ISO 9001, EN 12150 – 1:2000 tempered and secure

Fixings

DIN 7985, DIN 965, DIN 7981, DIN 934, DIN 985, DIN 933, RoHS

Castors

TS EN 12530, TS EN 12532, RoHS

Lock

DIN 1743, DIN 53571, RoHS

KEY FEATURES

Main profile (framework) has an aesthetic structure which increases mechanical resistance, folded at an angle of 45 degrees and consisting of 6 bends for each profile. In total; 24 folds provide framework stability. Tested to provide (x, y, z) axis resistance that meets EN 61587-1 / 5.2.1 and 5.2.2, and external impact resistance that meets EN 61587-1 / 5.3.3.

Bottom and upper case have a structure to increase resistance and strength of cabinet by mono block bended, welded and profile-interlocking design. Profiles are manufactured to interlock bottom and upper case with screws. The bottom case providing cable access is fitted with a sliding blanking access plate to prevent dust.

A rubber edge on the cable access plate and sliding structure, allows cables to be placed into the cabinet and fixed inside with no damage. Additionally both on top and bottom, there are brushed cable entry plates for mass cabling needs.

Rear door is manufactured with 2 cable access part top/ bottom with brush.

Rear door in standard configuration is a double opening door which is removable and lockable. For options please see the related diagrams and technical charts in pages 49-55.

Side panels have a structure that can be opened and removed with slam latch and key and are lockable and removable.

Front doors are a framed glass structure which is tempered, anti-static, secure and smoked glass (4 mm thickness) with a decorative stripe, according to EN 12150-1:2000 standard. Front door in standard configuration has left and right metal frame structure with high density polyurethane adhesive and screw and double opening.

For options please see the related diagrams and technical charts in pages 49-55.

Front door is a double opening door which can be opened to 125 degrees, removable and lockable with handle type locking unit.

Pagoda style vented top panel with a dedicated space of ventilation fan module system allows easy installation of max. 4 fans.

19"(inch) mounting angles (2 ea. in front and 2 ea. in rear) are part of the cabinet interior configuration and adjustable in depth.

Baying is possible for side by side applications without side panels.. Levelling feet are standard in shipping configuration. The cabinet meets EN 61587-1, IEC 60917, IEC 60297 standards, RoHS compliancy, Gost and TSE certified.

Cabinets are manufactured in our factory which has ISO 9001:2008 Quality Assurance System and our responsibility for environment with ISO 14001:2004 Environmental Management System.

TECHNICAL SPECIFICATIONS

Custom number

85380000 / 85381000 / 853710990019

Shipping structure

Assembled

Mounting type

Stand alone

Load carrying capacity (kg)

600

Certification on product

TSE, Gost

Surface finish

Electrostatic powder coated c/with surface treatment , 80 +/- 5 micron paint thickness and tested according to IEC 60068-2-1, 2-2, 2-30, 2-42, 2-43, 2-49, 2-11

STANDARD PRODUCT

Standard colour

RAL 7035, RAL 9005

Standard stripe colour

Orange

Baying

Possible with baying kit for side by side applications without side panels

IP protection standard

IP20

FRONT DOOR

Shatterproof glass with left and right metal frame

Glass

4 mm thickness full-length smoked, shatterproof, tempered, secure

Front door construction

Double opening door

Front door lock

2 point locking barrel type

Adhesive material

High density polyurethane DIN 53479, DIN 53505

Hinge system

Spring loaded

Door opening angle and swapping

125 degree

SIDE PANEL

Solid metal, 1 mm left and right (2 ea.)

Side panel construction

Lockable, removable c/with slam latches and lock

Side panel lock

Barrel type lock unit, single point + Slam latch (2 ea)

REAR DOOR

Solid metal, 1 mm

Rear door construction

Double door opening, lockable, removable

Rear door lock

Barrel type lock unit, single point

Hinge system

Spring loaded

Door opening angle and swapping

125 degree

TOP COVER

Solid metal 1,2 mm

Top cover construction

Pagoda type, allows efficient air removal

FRAMEWORK

Top and bottom base units

Solid metal 1,5 mm

Top and bottom base units construction

Completely welded corner socket system

Uprights

Solid metal, 1,5 mm

Uprights construction

Tightly fixed into top and bottom base units 6 times folded

INTERIOR PARTS

19" mounting angles

Solid metal, 1,5 mm

3 times folded 800x600, 800x800 / 1 time folded for 800x1000

"U" marking available

2 ea. at rear; 2 ea. at front

Pre-configured as 19"

Zinc plated, passivated, 8-12 micron.

Adjustable in depth

Omega type support rails in depth

Solid metal, 1,5 mm

3 times folded

2 ea. at left , 2 ea. at right up to 26U

3 ea. at left , 3 ea. at right 26U and higher

OPTIONS

For the front and rear door options, please look at pages 49-55.



For CUSTOMIZED PRODUCTS rather than above options, please contact sales department.

SPECIAL ACCESSORIES* FOR JUMBO

Teleskopik cable trunking

Designed to protect and hide cable bundles coming from the ceiling. Since the height between ceiling and cabinet is variable, it is manufactured as telescopic to fit all dimensions. Coming complete with cover which when closed gives a professional look.

Vertical cable management channels (left and right)

Designed to manage large patch cable bundles in front of the cabinet. It is installed through the height of the cabinet, and each "U" dimension, there is a hole to pass horizontal patch cables on vertical axis. A spring hinged cover in front of the vertical cable management panel integral with slam latch. The cover protect and hide all cable bundles. When it is closed, it gives a professional look. Labour costs are reduced by %20 and is a time saving system.

Vertical cable management trunking

Designed to carry large cable bundles through the vertical axis of the cabinet. From top to bottom, it is continuous with the height of cabinet. Bottom edge of the trunking fits into the cabinet bottom cable entry, top edge of the trunking fits into the cabinet top cable entry. It has holes for cable access for horizontal axis. It is punched in a shape to tie the cables. Since it has a sliding cover on the trunking, cable bundles are hidden and protected. When closed, it offers a chic looking finish.



*See accessories for product part numbers, definitions and please contact sales department.



Professional cabling solutions with JUMBO

Left and right cable management panels hide and protect all networking cables as well as providing a professional looking finish.

Double opening rear doors provide space saving between cabinet and wall.

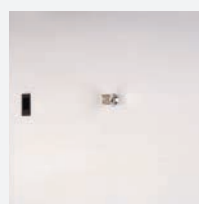
UNIVERSAL LINE JUMBO FEATURES



Perforated, vented Pagoda-style top providing maximum protection against dust



Front door with integrated locking mechanism for added security.



Side panel comes with snap closures and locks providing security, whilst allowing four-way access to the equipment.



Sliding access panel on the bottom for cable entry and a brush entry on the rear panel that can be positioned on the top or bottom

STANDARD DIMENSIONS:

Height: 36U
Width: 600 mm
Depth: 780 mm

COLOUR:

RAL 9005 black



RAL 7035 light grey



STANDARDS:

ISO 9001: 2008 Quality Management Systems
ISO 14001: 2004 Environmental Management System
19" mounting to IEC 297-1
EN 61587-1 mechanical structures (cabinets for electronic equipments)
Overall cabinet dimensions to IEC 297-2

- 19"
- FITS YOUR DECOR AND ENVIRONMENT
- SECURE AND STURDY
- EASY TO MAINTAIN AND LARGE INNER VOLUME
- DUST PROOF
- AIR CIRCULATION WITH VENTED FILTERS

PCcase is ideal for office, factory, workshop, storage, store, gas stations and laboratories etc. as server housing. It protects your servers and devices against dust, humidity, hot/cold air but most important that against unauthorized peoples. Servers, all kind of PC's, monitors, keyboards, UPS's, switches and networking products can easily be placed in it. Its agronomy provides the keyboards at hands level and monitor is at eye level.



FEATURES

PCcase cabinets match all features defined for Universal Line as main construction.

It has 3 sections;

1st compartment: Screen section

11U space covered, (not 19", equipped with a fixed shelf which should be base for the screen unit).

2nd Compartment: Keyboard section

3U space covered (not 19", equipped with a specific sliding shelf integrated with mouse housing and platform).

3rd Compartment: Device section

19" 22U usable (19", 22U rail allowing use of all standard accessories to mount all kind of devices printers, UPS, server or any LAN/WAN devices...)

All compartments are lockable.

Both side doors are lockable, removable, and openable.

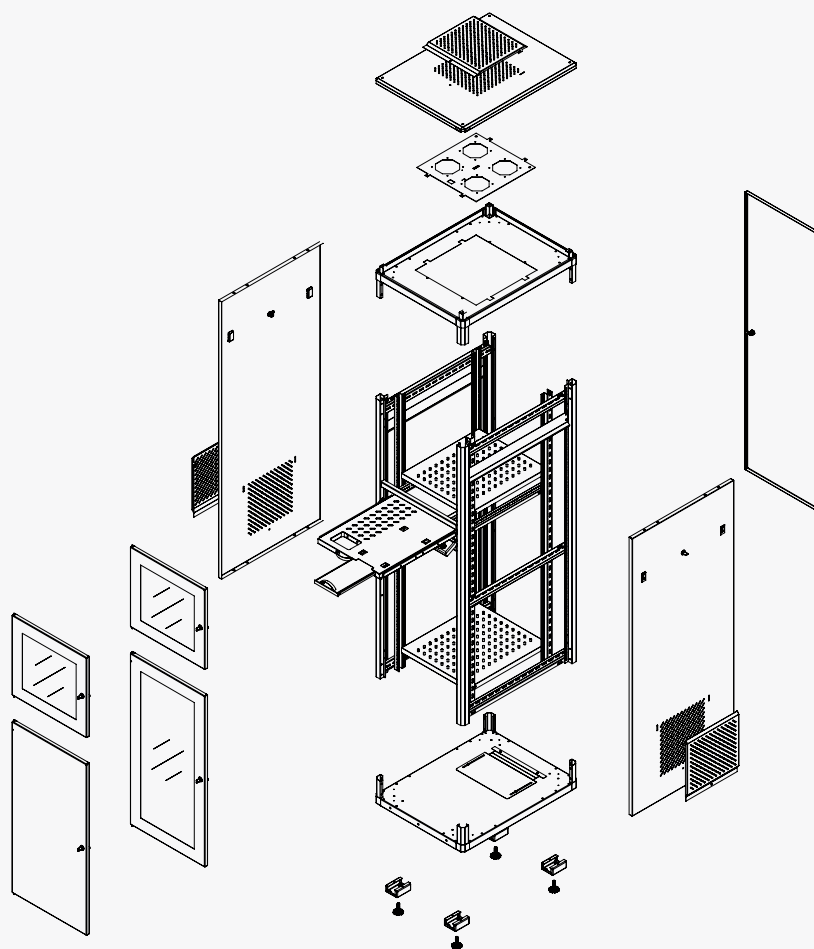
Side doors have filtered and vented air circulation trays that allow air circulation or air entry.

It is possible to use together with cooling fans which also has filtered and vented tray on top that allow air circulation.

Bottom section has two door options:

Glass door or solid metal door.





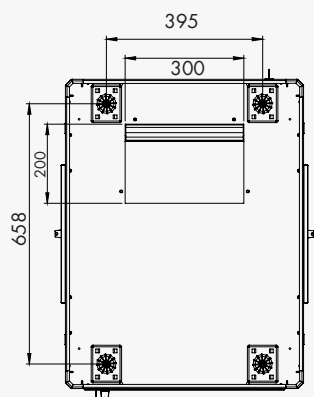
Exploded view

Universal Line PCcase cabinets 19" 600 x 780 mm

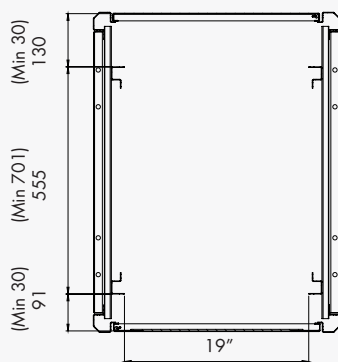
Part number	Product definition (mm)	U Size	Width: overall (mm)	Depth: overall (mm)	Depth: max mounting profile (mm)	Height: vertical mounting profile (mm)	Height: without levelling feet (mm)	Height: with levelling feet (mm)	Height: with casters (mm)
PCCASE36	36U 600x780 mm PCcase, glass door section at bottom	36	600	780	555	1603	1766	1781	1846
PCCASE36M	36U 600x780 mm PCcase, metal door section at bottom								

TECHNICAL DRAWINGS FOR

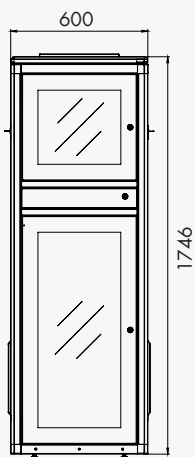
600x800 - 36U



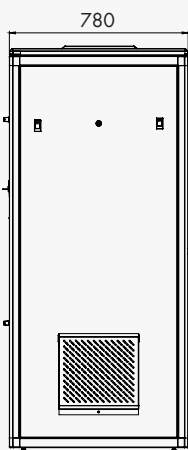
Bottom view



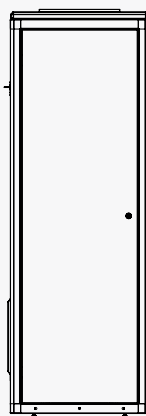
Mounting profile



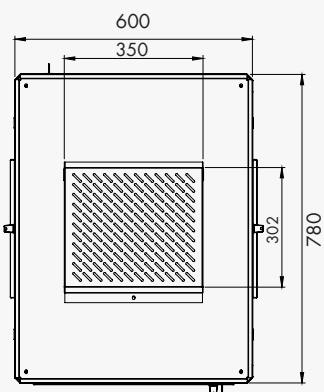
Front view



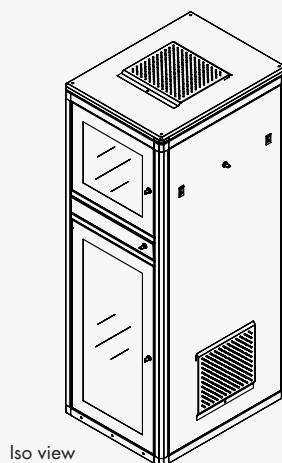
Side view



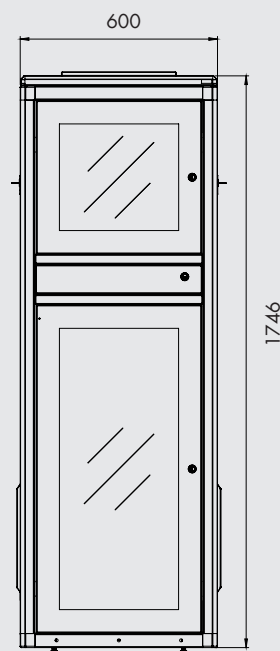
Back view



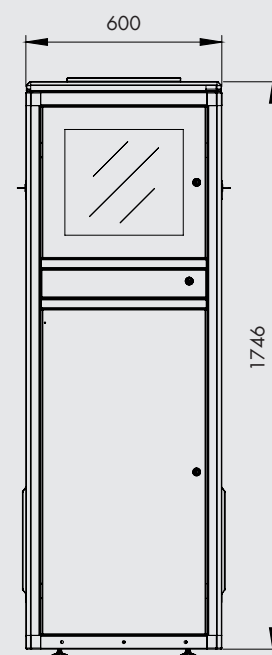
Top view



Iso view



Front view with glass door



Front view with metal door

FREQUENTLY USED ACCESSORIES SELECTION TABLE FOR Universal Line

Estep has a wide range of accessories: Fixed shelves, heavy duty fixed shelves, sliding shelves, fans, cooling units, vertical cable managements, cable rings, organisers, trays, plinth and so on...

* See the other accessories and part number definitions on pages 173-213.

* Please state colour choice in your orders. M01=RAL 9005 black and M02= RAL 7035 light grey

Frequently used accessories selection table

Universal Line / Shelves part numbers	Enclosure Sizes*						
	PCcase	600x600	600x800	600x1000	800x600	800x800	800x1000
Fixed shelves	M44SBR80	M44SBR60	M44SBR80	M44SBR100	M44SBR60	M44SBR80	M44SBR100
Heavy duty fixed shelves	-	-	-	M55SR720	-	-	M55SR720
Sliding shelves	M44HRK80	M44HRK60	M44HRK80	-	M44HRK60	M44HRK80	-
Heavy duty sliding shelves	-	-	-	M55HR720	-	-	M55HR720

Universal Line / Fan units part numbers	Enclosure Sizes*						
	PCcase	600x600	600x800	600x1000	800x600	800x800	800x1000
2 Fan unit with on/off switch	M44HV2F	M44HV2F	M44HV2F	M44HV2F	M44HV2F	M44HV2F	M44HV2F
4 Fan unit with on/off switch	M44HV4F	M44HV4F	M44HV4F	M44HV4F	M44HV4F	M44HV4F	M44HV4F
2 Fan unit with thermostat unit	M44HV2FT	M44HV2FT	M44HV2FT	M44HV2FT	M44HV2FT	M44HV2FT	M44HV2FT
4 Fan unit with thermostat unit	M44HV4FT	M44HV4FT	M44HV4FT	M44HV4FT	M44HV4FT	M44HV4FT	M44HV4FT

Universal Line / Cable management part numbers	Enclosure Sizes*						
	PCcase	600x600	600x800	600x1000	800x600	800x800	800x1000
1U cable management panel (5 rings)	E44ORG1U	E44ORG1U	E44ORG1U	E44ORG1U	E44ORG1U	E44ORG1U	E44ORG1U
Vertical cable management	-	-	-	-	M44ORGxxU	M44ORGxxU	M44ORGxxU

Universal Line / PDU part numbers	Enclosure Sizes*						
	PCcase	600x600	600x800	600x1000	800x600	800x800	800x1000
6 way PDU with 1x16A CCT breaker, 1U	M446AL	M446AL	M446AL	M446AL	M446AL	M446AL	M446AL
9 way PDU with 1x16A CCTbreaker, 2U	M449ALC	M449ALC	M449ALC	M449ALC	M449ALC	M449ALC	M449ALC

Universal Line / Castor part numbers	Enclosure Sizes*						
	PCcase	600x600	600x800	600x1000	800x600	800x800	800x1000
Castor group	M22TKGR1	M22TKGR1	M22TKGR1	M22TKGR1	M22TKGR1	M22TKGR1	M22TKGR1
Fixings/ cagenut, screw, washer (1set=20 pcs.)	KFS6X15	KFS6X15	KFS6X15	KFS6X15	KFS6X15	KFS6X15	KFS6X15

* Please check drawing pages for cabinet sizes.